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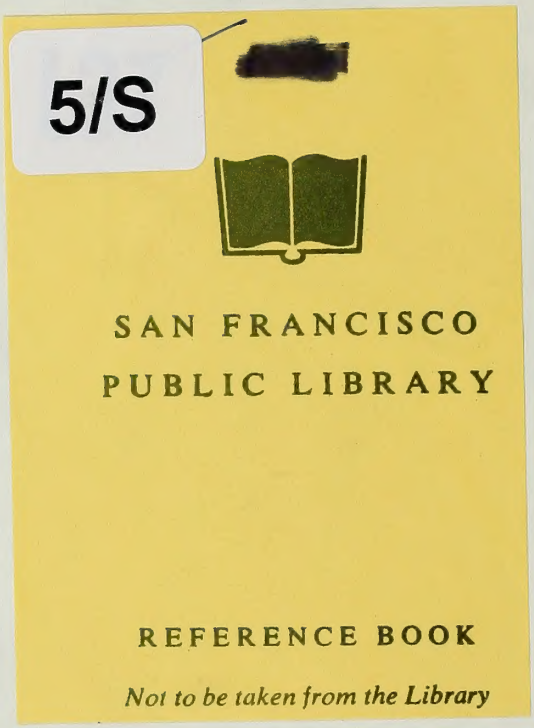

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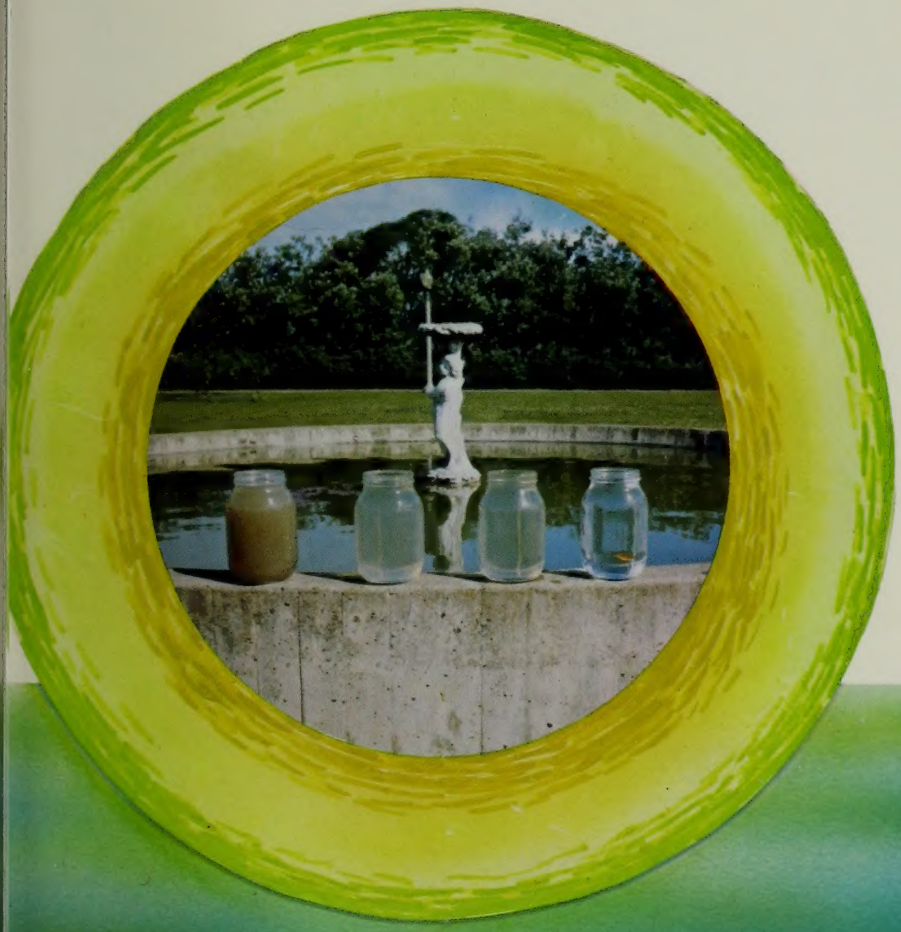
San Francisco WASTEWATER TREATMENT PILOT PLANT STUDY



VOLUME III
Appendixes J - L

SAN FRANCISCO WASTEWATER TREATMENT PILOT PLANT STUDY

FOR
CITY AND COUNTY OF SAN FRANCISCO
DEPARTMENT OF PUBLIC WORKS

VOLUME III, APPENDIXES J–L

By
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SOUTHEAST TEST DATA

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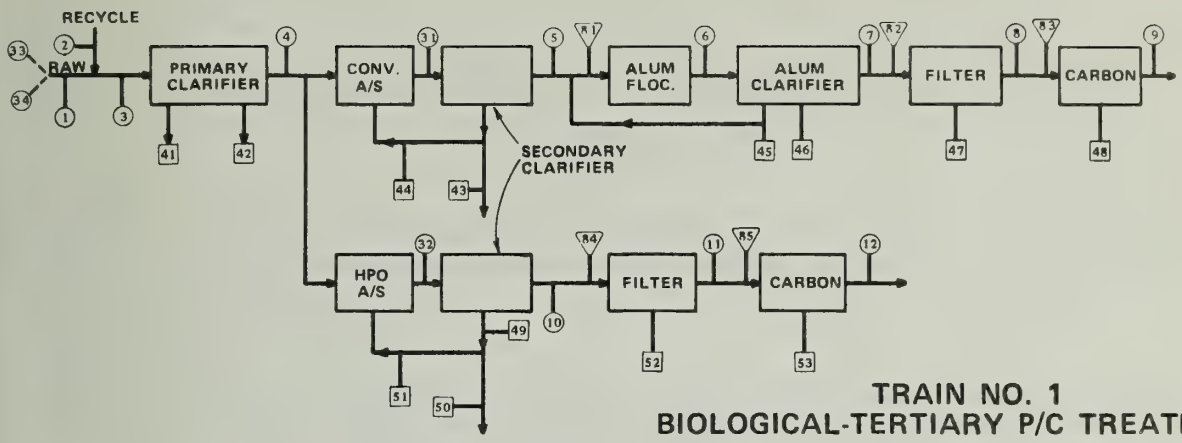

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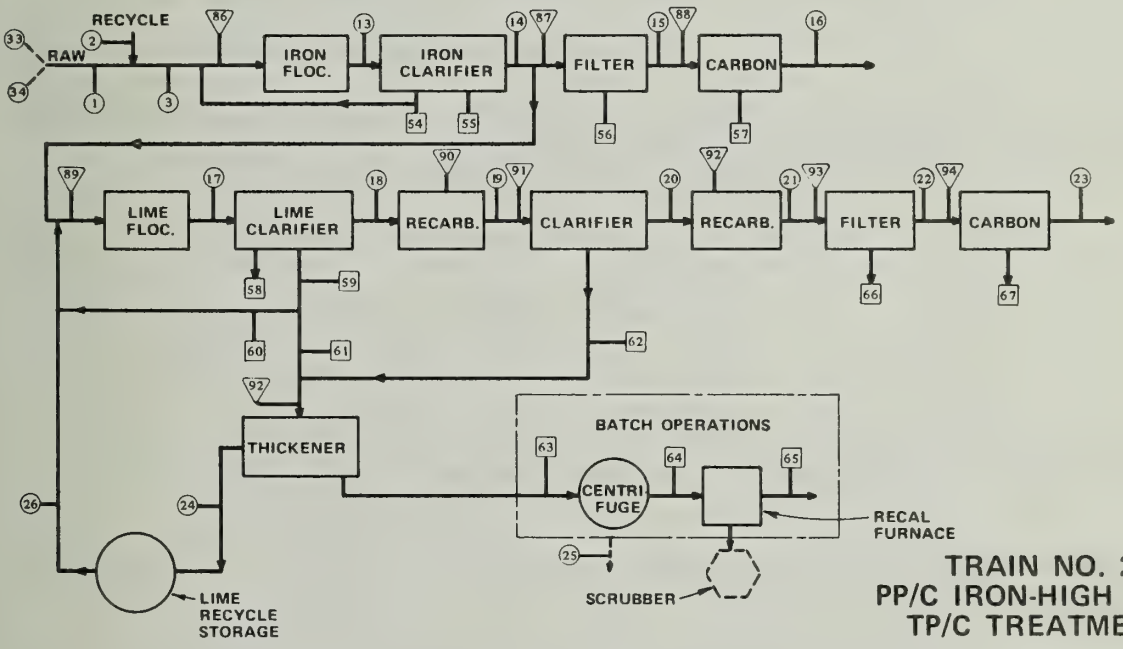
BIOLOGICAL-TERTIARY P/C TREATMENT



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PP/C IRON-HIGH LIME
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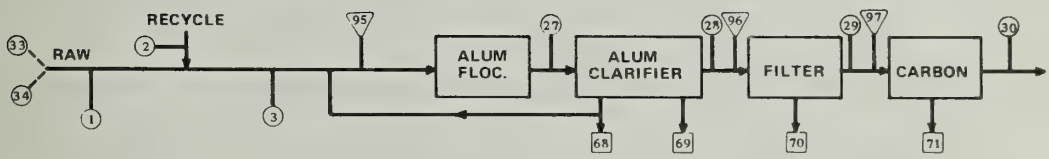

TRAIN NO. 3
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NOTES:

- (1) TO (34) LIQUID STREAM DATA POINTS
- [41] TO [71] SOLID OR WASTE DATA POINTS
- ▽81 TO ▽97 CHEMICAL ADDITION POINTS
- ---- INDICATES NP + SE
- (33) SE RAW
- (34) NP RAW

SOUTHEAST PILOT PLANT
PROCESS TRAINS AND DATA COLLECTION POINTS

KEY

DATA REVIEW (RVEW) AND CORRELATION COEFFICIENT (CORL) OUTPUT

SE — Phase of Pilot Plant Study during which waste treatment alternatives were investigated for Southeast sewage.

NP+ SE — Phase of Pilot Plant during which waste treatment alternatives were investigated for North Point (75%) plus Southeast (25%) combined sewage.

Date — Date of Sample collection

Non-Specific Process - Sample stations not associated with a particular treatment process. Normally raw sewage or preliminary treated effluent.

A.S. — Activated Sludge Process

H.P.O. — High Purity Oxygen Process

50 Percent - Median value of data set

10 Percent - Value at which 10 percent of the ordered data values are larger and 90 percent of the data values are smaller.

Range (R) - Constituent range of middle 80% of data. Used in calculation of the coefficient of reliability.

Displacement (d) - Constituent displacement from 10 percentile number and given standard.

Standard(s) - Regulatory Standard to which data is compared.

Coefficient of Reliability (Cr) - Arbitrary index to measure efficiency of removal for given constituent and treatment process. Computed from $CR = \frac{1}{R} \times d$. Has range of $-\infty$ to $+\infty$. Negative values indicate noncompliance with standard.

ALUMINUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
090373	6,200	750	230	430.0	620	400
090473	11,550	1,500	600	210.0	160	125
090573	1,500	1,100	150	75.0	400	130
090673	1,000	780	75	20.0	270	130
090773	1,600	1,200	80	180.0	390	200
090873	1,200	810	50	240.0	220	140
090973	3,000	700	80	33.0	270	140
091073	1,200	400	60	60.0	290	75
091173	1,500	1,000	150	120.0	380	170
091273	1,400	880	130	110.0	360	130
091373	3,700	1,400	140	130.0	280	100
091473	5,600	2,600	610	170.0	570	320
091573	9,200	10,000	240	15.0	1,000	110
091673	510	1,000	70	15.0	610	40
091773	2,800	480	130	10.0	210	50
091873	6,500	2,600	500	140.0	510	200
091973	2,200	1,500	190	250.0	370	55
092073	2,560	955	580	390.0	495	375
092173	1,200	860	260	110.0	270	90
092273	3,300	770	230	85.0	460	150
092373	1,200	850	330	110.0	230	130
092473	2,400	1,200	260	160.0	350	150
092573	2,800	1,600	380	4000.0	820	200
092673	1,100	1,200	740	290.0	300	210
092773	4,100	1,760	390	200.0	557	275
50 PERCENT	2,400	1,000	230	130.0	370	140
10 PERCENT	7,580	2,600	604	406.0	700	342

ALUMINUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	220	230.0	380.0	85.0	3,200	320
090473	480		25.0		1,500	
090573	260	110.0	35.0	40.0	2,100	65
090673	55	75.0	25.0	10.0	580	25
090773	80	40.0	25.0	35.0	790	300
090873	110	20.0	10.0	40.0	2,100	300
090973	91	21.0	22.0	45.0	2,400	160
091073	110	30.0	140.0	25.0	2,300	270
091173	210	60.0	10.0	30.0	2,500	160
091273	380	35.0	90.0	110.0	960	130
091373	120	270.0	3.0	5.0	1,600	390
091473	250	110.0	85.0	85.0	110	260
091573	1,100	50.0	290.0	60.0	5,300	160
091673	140	50.0	25.0	20.0	2,400	140
091773	210	10.0	30.0	10.0	2,040	40
091873	250	140.0	90.0	75.0	2,800	310
091973	220	180.0	70.0	110.0	1,100	270
092073	210	278.0	285.0	129.0	700	305
092173	535	135.0	35.0	60.0	1,130	235
092273	180	210.0	100.0	90.0	1,100	410
092373	190	120.0	110.0	190.0	1,500	240
092473	270	210.0	150.0	70.0	4,000	200
092573	320	270.0	140.0	380.0	1,500	780
092673	210	230.0	100.0	180.0	1,600	300
092773	386	168.0	170.0	95.0	2,700	208
50 PERCENT	210	115.0	85.0	65.0	1,600	250
10 PERCENT	502	270.0	287.0	185.0	3,520	400

ANTIMONY MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	200
091973	29
092073	19
092573	550
092673	420
50 PERCENT	200
10 PERCENT	0

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
091273	2.0	1.0	1.0	1.0	2.0	2.0
091573	2.0	1.0	1.0	1.0	1.0	1.0
091873	4.2	2.4	1.0	1.0	1.0	1.0
091973	2.6	3.6	1.9	1.0	2.0	1.9
092073	4.0	2.0	3.0	1.0	2.0	1.0
092173	2.0	2.0	2.0	1.0	4.0	1.0
092473	3.0	4.0	2.0	2.0	2.0	2.0
092573	4.0	5.0	2.0	2.0	2.0	2.0
092673	9.0	5.0	4.0	1.0	1.0	1.0
092773	4.0	2.0	1.0	1.0	1.0	1.0
50 PERCENT	3.5	2.2	1.9	1.0	2.0	1.0
10 PERCENT	8.5	5.0	3.9	2.0	3.8	2.0

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091273	1.0	2.0	1.0	1.0	2.0	1.0
091573	1.0	1.0	1.0	1.0	1.0	1.0
091873	1.0	1.2	1.0	1.0	1.0	1.0
091973	1.0	1.0	1.0	1.0	1.4	1.0
092073	1.0	1.0	1.0	1.0	1.0	1.0
092173	1.0	1.0	1.0	1.0	1.0	1.0
092473	2.0	2.0	2.0	2.0	2.0	2.0
092573	2.0	2.0	2.0	2.0	2.0	2.0
092673	1.0	1.0	1.0	1.0	1.0	1.0
092773	2.0	1.0	1.0	1.0	1.0	1.0
50 PERCENT	1.0	1.0	1.0	1.0	1.0	1.0
10 PERCENT	2.0	2.0	2.0	2.0	2.0	2.0

BARIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	10.0
091973	50.5
092073	10.0
092573	99.0
092673	35.0
50 PERCENT	50.5
10 PERCENT	0.0

BERYLLIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	1.0
091973	1.0
092073	2.0
092573	1.0
092673	1.0
50 PERCENT	1.0
10 PERCENT	0.0

BORON MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
091273	1,200	1,320	1,050	840.0	1450.0	1070.0
091573	870	930	1,010	1170.0	1280.0	1180.0
091873	660	650	440	390.0	680.0	350.0
091973	1,100	1,100	410	580.0	720.0	480.0
092073	700	900	90	10.0	10.0	10.0
092173	1,400	900	800	400.0	800.0	600.0
092473	1,200	900	700	400.0	700.0	300.0
092573	580	190	50	50.0	580.0	730.0
092673	1,000	1,110	650	810.0	1270.0	760.0
092773	1,140	1,080	1,080	710.0	800.0	940.0
50 PERCENT	1,050	915	675	490.0	760.0	665.0
10 PERCENT	1,380	1,299	1,077	1137.0	1433.0	1169.0

BORON MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091273	1,120	920.0	830	780.0	830	780.0
091573	1,010	830.0	650	660.0	830	870.0
091873	1,120	730.0	330	200.0	390	570.0
091973	1,180	910.0	350	410.0	830	770.0
092073	170	240.0	230	165.0	185	380.0
092173	100	900.0	500	400.0	1,300	100.0
092473	700	10.0	300	10.0	500	10.0
092573	50	50.0	50	100.0	560	50.0
092673	600	50.0	510	440.0	870	50.0
092773	930	1000.0	540	460.0	760	850.0
50 PERCENT	815	780.0	425	405.0	795	475.0
10 PERCENT	1,174	992.0	812	768.0	1,257	868.0

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373	7.0	1.0	1.0	1.0	1.0	1.0
090473	6.2	1.2	1.0	1.0	1.0	1.0
090573	5.7	2.6	1.0	1.0	1.1	1.0
090673	3.5	1.5	1.0	1.0	1.0	1.0
090773	5.1	2.9	1.0	1.0	1.0	1.0
090873	4.8	3.2	1.0	1.0	1.0	1.0
090973	9.6	2.4	1.0	1.0	1.0	1.0
091073	3.0	2.2	1.0	1.0	1.0	1.0
091173	2.0	2.0	1.0	1.0	1.0	1.0
091273	2.0	1.6	1.0	1.0	1.7	1.0
091373	6.3	3.1	1.0	1.0	1.0	1.0
091473	4.6	4.7	1.0	1.0	1.4	1.0
091573	9.7	5.4	1.0	1.0	1.2	1.0
091673	1.3	1.2	1.0	1.0	1.0	1.0
091773	4.4	1.0	1.0	1.0	1.0	1.0
091873	7.6	4.2	1.0	1.0	1.0	1.0
091973	4.9	4.4	1.0	1.0	1.0	1.0
092073	10.0	7.6	1.0	1.0	1.0	1.2
092173	5.4	3.6	1.2	1.0	1.0	1.0
092273	6.9	3.4	1.2	1.0	1.5	1.0
092373	6.8	3.0	1.7	1.0	1.0	1.0
092473	7.5	4.1	1.0	1.0	1.1	1.0
092573	13.0	5.0	1.0	1.0	1.0	1.0
092673	4.0	8.0	2.0	1.0	1.0	1.0
092773	5.8	7.0	1.1	1.0	1.6	1.0
50 PERCENT	5.7	3.1	1.0	1.0	1.0	1.0
10 PERCENT	9.8	7.2	1.4	1.0	1.5	1.0

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	1.0	1.0	1.0	1.0	1.0	1.0
090473	1.0	1.0	1.0	1.0	1.0	1.0
090573	1.0	1.0	1.0	1.0	2.3	1.0
090673	1.0	1.0	1.0	1.0	1.0	1.0
090773	1.0	1.0	1.0	1.0	1.0	1.0
090873	1.0	1.0	1.0	1.0	1.0	1.0
090973	1.0	1.0	1.0	1.0	1.0	1.0
091073	1.0	1.0	1.0	1.0	1.0	1.0
091173	1.0	1.0	1.0	1.0	1.0	1.0
091273	1.0	1.0	1.0	1.0	1.0	1.0
091373	1.0	1.0	2.0	1.0	1.1	1.0
091473	1.0	1.0	1.0	1.0	1.0	1.0
091573	1.0	1.0	1.0	1.0	1.0	1.0
091673	1.0	1.0	3.1	1.0	1.0	1.0
091773	1.0	1.0	1.0	1.0	1.0	1.0
091873	1.0	1.0	1.0	1.0	1.0	1.0
091973	1.0	1.0	1.0	1.0	1.0	1.0
092073	1.1	1.0	1.0	1.0	1.3	1.0
092173	2.3	1.0	1.0	1.0	1.0	1.0
092273	1.0	1.0	1.8	1.0	1.0	1.0
092373	1.0	1.0	1.2	1.0	1.0	1.0
092473	1.0	1.0	1.0	1.0	1.0	1.0
092573	1.0	1.0	1.0	1.0	1.0	1.0
092673	2.0	1.0	1.0	1.0	1.0	1.0
092773	1.0	1.0	1.0	1.0	1.7	1.0
50 PERCENT	1.0	1.0	1.0	1.0	1.0	1.0
10 PERCENT	1.5	1.0	1.9	1.0	1.5	1.0

CALCIUM MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	22
091973	14
092073	12
092573	55
092673	74
50 PERCENT	22
10 PERCENT	0

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
090373	706	243	92	57.0	311	77
090473	2,400	420	63	120.0	83	15
090573	970	800	59	12.0	220	22
090673	880	450	53	1.5	150	31
090773	1,000	390	96	47.0	300	61
090873	780	730	95	40.0	150	100
090973	1,670	340	48	8.0	170	38
091073	1,000	1,000	43	7.0	250	38
091173	1,100	1,000	150	7.5	220	45
091273	1,800	1,200	61	7.5	230	50
091373	3,960	1,700	90	7.0	160	24
091473	5,500	1,640	55	400.0	140	120
091573	920	840	78	8.0	250	40
091673	190	110	25	11.0	130	18
091773	1,000	2,200	58	13.0	80	15
091873	6,500	3,100	130	1.0	150	78
091973	2,900	2,100	140	23.0	170	27
092073	3,600	1,300	280	7.5	210	51
092173	86	58	270	30.0	210	59
092273	4,220	810	250	30.0	370	60
092373	1,600	1,500	260	18.0	150	38
092473	2,100	1,100	280	25.0	270	34
092573	4,200	1,300	370	210.0	590	140
092673	1,400	1,600	550	38.0	230	130
092773	2,800	5,700	280	65.0	550	120
50 PERCENT	1,600	1,000	95	18.0	210	45
10 PERCENT	4,732	2,560	316	156.0	442	124

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	84	44.0	34.0	32.0	53	62.0
090473	62	20.0	25.0	23.0	38	37.0
090573	32	7.5	10.0	8.0	150	13.0
090673	19	6.5	11.0	2.5	39	9.0
090773	91	25.0	24.0	21.0	90	26.0
090873	120	78.0	80.0	70.0	100	93.0
090973	52	23.0	25.0	23.0	47	21.0
091073	93	4.5	6.0	5.0	160	8.5
091173	88	10.0	15.0	7.5	130	15.0
091273	73	6.5	11.0	8.5	55	12.0
091373	20	12.0	14.0	16.0	60	16.0
091473	120	23.0	38.0	36.0	240	48.0
091573	100	11.0	99.0	20.0	110	25.0
091673	29	9.0	5.5	8.5	33	8.0
091773	45	7.5	25.0	7.5	110	10.0
091873	180	40.0	50.0	21.0	120	41.0
091973	120	43.0	53.0	16.0	93	23.0
092073	70	49.0	22.0	30.0	86	31.0
092173	280	38.0	30.0	19.0	38	28.0
092273	120	40.0	50.0	40.0	70	40.0
092373	110	40.0	34.0	34.0	98	24.0
092473	100	33.0	24.0	20.0	160	36.0
092573	130	95.0	110.0	140.0	150	300.0
092673	170	70.0	38.0	63.0	180	55.0
092773	200	83.0	83.0	50.0	770	80.0
50 PERCENT	93	25.0	25.0	21.0	98	26.0
10 PERCENT	188	80.0	89.4	65.8	204	85.2

COBALT MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	6.0
091973	14.0
092073	20.0
092573	13.0
092673	9.0
50 PERCENT	13.0
10 PERCENT	0.0

COPPER MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373	274	48.0	9.0	5.0	35.0	12.0
090473	350	80.0	7.0	14.0	10.0	5.0
090573	150	5.0	5.0	5.0	18.0	5.0
090673	63	39.0	5.0	5.0	12.0	5.0
090773	190	99.0	10.0	5.0	20.0	6.0
090873	130	80.0	11.0	16.0	17.0	14.0
090973	190	55.0	8.5	5.0	17.0	5.0
091073	190	150.0	5.0	5.5	18.0	5.0
091173	140	85.0	10.0	5.0	30.0	10.0
091273	100	120.0	55.0	5.0	34.0	6.5
091373	290	100.0	13.0	8.0	25.0	12.0
091473	300	88.0	10.0	10.0	27.0	10.0
091573	65	53.0	5.0	5.0	30.0	14.0
091673	210	38.0	5.0	10.0	18.0	5.0
091773	390	60.0	15.0	5.0	18.0	5.0
091873	560	310.0	13.0	5.0	20.0	5.3
091973	220	150.0	10.0	5.0	14.0	5.0
092073	350	83.0	16.0	5.0	15.0	6.5
092173	120	68.0	20.0	5.0	16.0	5.0
092273	198	49.0	16.0	5.0	18.0	6.0
092373	100	57.0	15.0	5.0	14.0	5.0
092473	200	90.0	15.0	5.0	15.0	5.0
092573	300	85.0	11.0	18.0	19.0	10.0
092673	120	130.0	34.0	5.0	12.0	5.0
092773		140.0	11.0	5.0	25.0	5.0
50 PERCENT	194	83.0	11.0	5.0	18.0	5.0
10 PERCENT	370	150.0	25.6	14.8	31.6	12.8

COPPER MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	21.0	5.0	17.0	5.0	25.0	15.0
090473	17.0	5.0	5.0	5.0	24.0	14.0
090573	23.0	5.0	6.5	5.0	27.0	11.0
090673	7.5	5.0	5.0	5.0	14.0	6.0
090773	14.0	13.0	5.0	5.0	15.0	12.0
090873	13.0	6.5	9.0	7.0	29.0	8.5
090973	15.0	5.0	5.5	5.0	15.0	7.5
091073	13.0	5.5	5.0	5.0	39.0	9.5
091173	13.0	5.0	5.0	5.0	20.0	5.0
091273	34.0	5.0	8.5	5.0	15.0	8.0
091373	16.0	8.0	14.0	6.0	14.0	9.0
091473	8.0	5.0	5.0	5.0	14.0	7.0
091573	17.0	5.0	5.0	6.0	13.0	10.0
091673	15.0	5.0	13.0	5.0	15.0	5.0
091773	25.0	10.0	13.0	5.0	37.0	5.0
091873	25.0	8.5	5.0	5.0	28.0	5.5
091973	17.0	7.5	6.0	6.0	15.0	11.0
092073	7.5	8.0	5.0	5.0	10.0	8.0
092173	26.0	34.0	5.0	5.0	9.5	14.0
092273	10.0	13.0	6.0	11.0	10.0	7.0
092373	13.0	7.5	11.0	5.5	12.0	5.5
092473	10.0	15.0	5.0	5.0	9.5	7.5
092573	12.0	20.0	5.0	9.0	10.0	31.0
092673	11.0	23.0	5.0	10.0	14.0	8.0
092773	15.0	15.0	5.0	18.0	39.0	9.0
50 PERCENT	15.0	7.5	5.0	5.0	15.0	6.0
10 PERCENT	25.4	21.2	13.4	10.4	37.8	14.4

CYANIDE MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373	0.21	0.01	0.01	0.01	0.01	0.01
090473	0.11	0.11	0.01	0.01	0.01	0.01
090573	0.03	0.02	0.03	0.01	0.02	0.01
090673	0.04	0.04	0.01	0.01	0.02	0.01
090773	0.04	0.03	0.01	0.01	0.02	0.01
090873	0.01	0.01	0.01	0.01	0.01	0.01
090973	0.01	0.01	0.01	0.01	0.01	0.01
091073	0.04	0.03	0.01	0.01	0.01	0.01
091173	0.04	0.03	0.02	0.01	0.01	0.01
091273	0.25	0.01	0.01	0.01	0.01	0.01
091373	0.03	0.02	0.01	0.01	0.01	0.01
091473	0.05	0.03	0.01	0.01	0.01	0.01
091573	0.02	0.02	0.01	0.01	0.01	0.01
091673	0.07	0.01	0.01	0.01	0.01	0.01
091773	0.04	0.03	0.01	0.01	0.01	0.01
091873	0.08	0.08	0.01	0.01	0.01	0.01
091973	0.06	0.06	0.01	0.01	0.01	0.01
092073	0.05	0.08	0.01	0.01	0.01	0.01
092173	0.02	0.05	0.01	0.01	0.01	0.01
092273	0.04	0.04	0.01	0.01	0.02	0.01
092373	0.02	0.03	0.01	0.01	0.01	0.01
092473	0.08	0.08	0.01	0.01	0.01	0.01
092573	0.13	0.08	0.02	0.01	0.02	0.03
092673	0.08	0.09	0.01	0.01	0.01	0.01
092773	0.02	0.04	0.01	0.01	0.01	0.01
50 PERCENT	0.04	0.03	0.01	0.01	0.01	0.01
10 PERCENT	0.16	0.08	0.02	0.01	0.02	0.01

CYANIDE MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	0.01	0.01	0.01	0.01	0.01	0.01
090473	0.01	0.01	0.01	0.01	0.01	0.01
090573	0.03	0.01	0.14	0.01	0.06	0.06
090673	0.02	0.01	0.02	0.01	0.03	0.01
090773	0.01	0.02	0.02	0.01	0.01	0.01
090873	0.01	0.02	0.01	0.02	0.01	0.02
090973	0.01	0.01	0.01	0.02	0.01	0.01
091073	0.08	0.01	0.02	0.02	0.01	0.01
091173	0.01	0.01	0.02	0.01	0.01	0.01
091273	0.01	0.01	0.01	0.01	0.15	0.01
091373	0.03	0.01	0.02	0.01	0.04	0.01
091473	0.01	0.01	0.02	0.01	0.01	0.01
091573	0.01	0.01	0.01	0.01	0.05	0.01
091673	0.04	0.01	0.01	0.01	0.07	0.01
091773	0.01	0.01	0.03	0.02	0.02	0.01
091873	0.01	0.01	0.02	0.03	0.04	0.01
091973	0.01	0.02	0.03	0.01	0.01	0.03
092073	0.01	0.02	0.02	0.01	0.02	0.03
092173	0.03	0.03	0.03	0.01	0.01	0.03
092273	0.02	0.01	0.02	0.01	0.02	0.01
092373	0.01	0.01	0.02	0.01	0.01	0.01
092473	0.04	0.07	0.04	0.01	0.04	0.03
092573	0.06	0.06	0.06	0.06	0.06	0.06
092673	0.06	0.03	0.04	0.05	0.08	0.03
092773	0.01	0.01	0.02	0.01	0.04	0.03
50 PERCENT	0.01	0.01	0.02	0.01	0.02	0.01
10 PERCENT	0.06	0.04	0.05	0.04	0.07	0.04

TOTAL IRON MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373	210.0	23	90	45	13	20.0
090473	5800.0	1,800	210	80	80	160.0
090573	2000.0	3,300	410	130	1,400	250.0
090673	1050.0	1,500	305	25	425	295.0
090773	1500.0	1,400	200	60	420	190.0
090873	4400.0	2,600	340	240	620	330.0
090973	7.5	330	75	35	160	5.0
091073	70.0	13	45	15	340	13.0
091173	1700.0	1,700	160	15	260	78.0
091273	390.0	380	75	65	130	85.0
091373	3000.0	150	360	40	260	48.0
091473	9400.0	3,200	30	45	780	200.0
091573	2600.0	900	210	30	450	580.0
091673	750.0	280	25	35	190	40.0
091773	1300.0	1,300	45	30	15	130.0
091873	3620.0	3,500	780	45	1,600	150.0
091973	5200.0	3,500	270	49	370	98.0
092073	200.0	470	250	30	270	130.0
092173	2900.0	2,600	410	25	220	110.0
092273	6700.0	1,750	320	45	420	120.0
092373	3800.0	2,700	570	40	640	110.0
092473	3400.0	2,000	470	28	340	75.0
092573	4200.0	930	330	40	550	60.0
092673	2100.0	2,600	210	65	720	100.0
092773	3250.0	2,450	335	65	785	80.0
50 PERCENT	2600.0	1,700	250	40	370	110.0
10 PERCENT	6160.0	3,380	510	100	1,031	309.0

TOTAL IRON MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	8.0	13	50.0	8.0	320.0	85
090473	4950.0	110	43.0	93.0	220.0	2,450
090573	4500.0	240	160.0	140.0	1200.0	2,350
090673	2750.0	140	35.0	103.0	273.0	820
090773	2200.0	310	20.0	43.0	90.0	770
090873	2900.0	370	210.0	210.0	430.0	350
090973	340.0	63	65.0	13.0	160.0	60
091073	160.0	260	10.0	25.0	170.0	65
091173	2200.0	90	15.0	10.0	160.0	250
091273	1400.0	170	180.0	130.0	150.0	520
091373	2500.0	70	20.0	85.0	210.0	340
091473	4300.0	280	85.0	300.0	450.0	350
091573	3700.0	500	95.0	10.0	2600.0	370
091673	360.0	190	25.0	210.0	18.0	75
091773	2000.0	120	40.0	190.0	110.0	100
091873	4600.0	150	76.0	190.0	580.0	160
091973	4950.0	190	47.0	180.0	6.2	150
092073	2200.0	18	50.0	220.0	340.0	140
092173	1100.0	500	20.0	280.0	230.0	150
092273	170.0	620	400.0	130.0	310.0	85
092373	6000.0	170	45.0	460.0	540.0	250
092473	4800.0	200	55.0	310.0	390.0	280
092573	3200.0	350	75.0	180.0	690.0	420
092673	5800.0	340	85.0	190.0	560.0	300
092773	5200.0	465	13.0	339.0	587.0	384
50 PERCENT	2750.0	190	50.0	180.0	310.0	260
10 PERCENT	5440.0	500	192.0	321.6	894.0	1,432

LEAD MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
090373	230	53	17.0	13.0	31.0	14.0
090473	200	75	5.0	13.0	5.0	5.0
090573	120	56	5.0	5.0	13.0	5.0
090673	50	38	5.0	5.0	13.0	5.0
090773	130	74	6.5	5.0	10.0	5.0
090873	210	140	6.0	9.0	15.0	5.5
090973	260	70	6.0	5.0	14.0	5.0
091073	130	110	5.0	5.0	30.0	5.0
091173	110	73	18.0	5.0	21.0	7.0
091273	58	55	480.0	5.0	33.0	5.0
091373	260	65	10.0	10.0	12.0	10.0
091473	230	110	15.0	10.0	20.0	5.0
091573	110	75	20.0	5.0	33.0	5.5
091673	57	38	7.0	5.0	21.0	5.0
091773	270	70	40.0	40.0	60.0	75.0
091873	310	160	18.0	14.0	30.0	15.0
091973	160	100	5.0	7.5	8.5	5.0
092073	530	120	23.0	5.0	19.0	14.0
092173	190	61	23.0	7.5	13.0	5.0
092273	500	100	21.0	10.0	21.0	6.0
092373	358	126	16.0	4.0	10.0	5.0
092473	190	71	18.0	6.5	13.0	5.0
092573	160	63	19.0	19.0	29.0	10.0
092673	100	110	48.0	5.0	18.0	11.0
092773	140	99	19.0	5.0	25.0	5.0
50 PERCENT	190	74	17.0	5.0	19.0	5.0
10 PERCENT	415	132	43.2	16.0	33.0	14.4

LEAD MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	17.0	10.0	5.0	7.0	10.0	9.0
090473	5.0	5.0	5.0	5.0	5.0	5.0
090573	7.0	5.0	5.0	5.0	12.0	6.0
090673	5.0	5.0	5.0	10.0	5.0	5.0
090773	5.0	5.0	5.0	5.0	5.0	5.0
090873	5.0	5.0	5.0	5.0	11.0	5.0
090973	6.0	5.0	5.0	5.0	10.0	5.0
091073	10.0	5.0	5.0	5.0	15.0	5.0
091173	5.0	5.0	5.0	5.0	10.0	5.0
091273	5.0	7.5	10.0	8.0	6.0	6.5
091373	10.0	10.0	10.0	10.0	10.0	10.0
091473	8.0	8.0	5.0	5.0	7.5	5.0
091573	10.0	50.0	5.0	5.0	10.0	5.0
091673	10.0	5.0	8.0	5.0	9.0	5.0
091773	55.0	20.0	35.0	30.0	50.0	28.0
091873	20.0	10.0	17.0	12.0	24.0	19.0
091973	8.3	9.5	7.0	7.5	12.0	6.0
092073	7.5	5.0	5.0	5.0	6.0	5.0
092173	40.0	5.0	5.0	5.0	10.0	5.0
092273	17.0	5.0	10.0	5.0	16.0	8.0
092373	8.0	9.0	4.0	6.0	16.0	3.0
092473	5.0	5.0	5.0	8.0	5.0	9.0
092573	5.0	7.5	5.0	5.0	5.0	21.0
092673	14.0	5.0	12.0	5.0	18.0	5.0
092773	7.5	5.0	5.0	5.0	28.0	5.0
50 PERCENT	8.0	5.0	5.0	5.0	10.0	5.0
10 PERCENT	28.0	14.0	14.0	10.8	25.6	19.8

MAGNESIUM MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373	163	161				
091273	160	150	130	140	140	150
091573	110	90	100	100	90	100
091873	120	130	120	110	120	100
091973	120	120	110	120	110	110
092073	110	130	84	100	90	110
092173	140	148	68	62	94	83
092473	210	220	180	180	180	190
092573	131	136	130	128	155	129
092673	150	110	140	140	150	140
092773	230	200	240	220	240	240
50 PERCENT	140	136	125	124	130	120
10 PERCENT	226	216	234	216	234	235

MAGNESIUM MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373						
091273	140	150	13.0	90.0	130	140
091573	70	100	12.0	9.2	110	76
091873	120	100	48.0	40.0	110	100
091973	110	130	88.0	40.0	110	130
092073	90	89	36.0	36.0	88	66
092173	45	58	9.6	12.0	227	82
092473	200	180	68.0	76.0	180	150
092573	123	125	34.4	54.4	101	118
092673	140	130	37.0	25.0	92	140
092773	230	240	120.0	120.0	180	210
50 PERCENT	122	127	36.5	40.0	110	124
10 PERCENT	227	234	116.8	117.0	222	204

MANGANESE MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
090373	340	160	140	150	170	120
090473	180	120	140	81	98	96
090573	120	160	120	120	120	75
090673	100	45	61	76	86	73
090773	130	110	83	84	120	95
090873	170	160	120	93	120	110
090973	220	130	110	85	110	110
091073	130	130	58	94	120	110
091173	110	110	100	90	110	110
091273	130	150	100	58	120	110
091373	220	150	110	74	98	80
091473	265	160	150	120	140	150
091573	300	180	130	140	160	140
091673	146	176	134	168	139	108
091773	253	156	124	78	132	108
091873	280	190	140	120	160	150
091973	200	200	120	88	130	60
092073	280	220	210	130	130	150
092173	150	180	150	120	180	150
092273	248	156	124	174	145	159
092373	240	180	160	120	110	110
092473	200	150	71	60	130	78
092573	160	135	108	102	161	116
092673	150	140	190	97	72	140
092773	150	140	120	93	130	150
50 PERCENT	180	156	120	94	130	110
10 PERCENT	288	194	172	157	165	150

MANGANESE MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	380	250	30.0	20.0	110	160
090473	425	390	5.0	21.0	100	93
090573	450	450	7.5	11.0	170	140
090673	340	320	5.0	5.0	76	81
090773	300	180	5.0	6.0	88	78
090873	430	400	11.0	18.0	110	130
090973	380	290	45.0	63.0	100	110
091073	250	270	13.0	13.0	78	83
091173	290	350	5.0	7.5	90	100
091273	460	400	7.5	11.0	110	74
091373	358	418	10.0	10.0	96	60
091473	400	15	10.0	13.0	130	120
091573	400	300	6.5	11.0	130	160
091673	312	358	5.0	5.0	127	95
091773	350	229	3.0	6.0	106	51
091873	350	360	19.0	8.5	110	150
091973	370	330	10.0	11.0	63	55
092073	450	340	15.0	15.0	85	120
092173	380	400	5.0	9.0	95	170
092273	344	386	9.0	12.0	147	103
092373	380	340	10.0	20.0	130	210
092473	180	190	11.0	7.5	93	90
092573	36	12	11.0	141.0	114	339
092673	350	280	120.0	11.0	100	91
092773	360	330	15.0	13.0	120	130
50 PERCENT	360	330	10.0	11.0	106	103
10 PERCENT	450	407	36.0	37.8	137	186

MERCURY MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
091273	1.0	1.6	1.0	1.2	2.7	1.0
091573	16.8	2.5	25.0	1.0	13.0	2.0
091873	2.2	1.9	1.0	1.0	1.0	1.0
091973	1.4	1.0	1.0	1.0	1.0	1.0
092073	2.0	1.0	1.0	1.0	1.0	4.2
092173	2.5	1.0	1.7	0.7	1.3	0.7
092473	1.0	1.0	1.0	1.0	1.0	1.0
092573	1.0	1.0	1.0	1.0	1.0	1.0
092673	1.0	1.0	1.0	1.0	1.0	1.0
092773	1.3	1.2	1.0	1.0	1.0	1.0
50 PERCENT	1.3	1.0	1.0	1.0	1.0	1.0
10 PERCENT	15.4	2.4	22.7	1.2	12.0	4.0

MERCURY MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
091273	1.9	1.0	1.0	1.0	1.0	1.0
091573	1.8	1.4	1.0	1.0	15.0	1.0
091873	1.0	1.0	1.0	1.0	1.0	1.0
091973	1.0	1.0	1.0	1.0	1.0	1.0
092073	1.0	1.0	1.0	1.0	1.0	1.0
092173	0.7	1.6	1.2	0.5	5.2	1.4
092473	1.0	1.0	1.0	1.0	1.0	1.0
092573	1.0	1.0	1.0	1.0	1.0	1.0
092673	1.0	1.0	1.0	1.0	1.0	1.0
092773	1.0	1.0	1.0	1.0	1.0	1.0
50 PERCENT	1.0	1.0	1.0	1.0	1.0	1.0
10 PERCENT	1.9	1.6	1.2	1.0	14.0	1.4

MOLYBDENUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
091273	5.0	5.0	5.0	5.0	5.0	5.0
091573	5.0	5.0	5.0	5.0	5.0	5.0
091873	5.0	5.0	5.0	5.0	5.0	5.0
091973	5.0	5.0	5.0	5.0	5.0	5.0
092073	5.0	5.0	5.0	5.0	5.0	5.0
092173	5.0	5.0	5.0	5.0	5.0	5.0
092473	5.0	5.0	5.0	5.0	5.0	5.0
092573	5.0	5.0	5.0	5.0	5.0	5.0
092673	5.0	5.0	5.0	5.0	5.0	5.0
092773	5.0	5.0	5.0	5.0	5.0	5.0
50 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0
10 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0

MOLYBDENUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091273	5.0	5.0	5.0	5.0	5.0	5.0
091573	5.0	5.0	5.0	5.0	5.0	5.0
091873	5.0	5.0	5.0	5.0	5.0	5.0
091973	5.0	5.0	5.0	5.0	5.0	5.0
092073	5.0	5.0	5.0	5.0	5.0	5.0
092173	5.0	5.0	5.0	5.0	5.0	5.0
092473	5.0	5.0	5.0	5.0	5.0	5.0
092573	5.0	5.0	5.0	5.0	5.0	5.0
092673	5.0	5.0	5.0	5.0	5.0	5.0
092773	5.0	5.0	5.0	5.0	5.0	5.0
50 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0
10 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0

NICKEL MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373	78	28	23	41	21	20
090473	500	220	23	22	42	20
090573	210	130	87	34	100	20
090673	45	18	21	28	44	35
090773	95	75	35	20	75	53
090873	45	32	41	35	43	54
090973	46	15	20	20	15	29
091073	90	85	15	27	28	25
091173	46	56	36	25	53	35
091273	96	60	130	16	46	33
091373	610	230	42	22	30	16
091473	150	200	100	49	170	85
091573	44	50	32	50	77	81
091673	20	25	33	100	34	36
091773	100	30	32	28	29	61
091873	270	188	67	30	94	62
091973	175	190	68	33	122	33
092073	140	110	81	19	80	60
092173	88	130	120	45	160	53
092273	68	41	64	59	83	77
092373	42	31	63	91	44	56
092473	120	84	46	25	65	32
092573	120	76	67	52	97	55
092673	72	83	100	49	47	64
092773	280	230	110	48	170	70
50 PERCENT	95	76	46	33	53	53
10 PERCENT	368	224	114	72	164	79

NICKEL MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	45	34	19.0	16.0	25	2.5
090473	80	63	17.0	17.0	62	14.0
090573	90	90	8.5	6.5	84	39.0
090673	66	56	12.0	6.0	43	25.0
090773	88	25	10.0	5.0	80	15.0
090873	43	37	29.0	34.0	34	34.0
090973	29	37	10.0	15.0	14	18.0
091073	60	30	27.0	9.0	47	18.0
091173	60	50	19.0	4.0	45	16.0
091273	61	63	11.0	7.5	25	11.0
091373	500	54	8.0	6.0	54	8.0
091473	75	16	22.0	19.0	57	19.0
091573	35	69	7.0	4.0	21	2.6
091673	15	28	24.0	8.0	25	3.0
091773	78	13	19.0	8.0	48	14.0
091873	108	40	86.0	16.0	115	30.0
091973	115	72	48.0	12.0	45	10.0
092073	64	63	13.0	12.0	26	13.0
092173	90	130	38.0	10.0	35	10.0
092273	56	182	25.0	17.0	40	8.0
092373	37	45	18.0	19.0	25	15.0
092473	50	31	25.0	11.0	47	16.0
092573	25	45	28.0	35.0	57	77.0
092673	62	39	25.0	20.0	45	24.0
092773	130	43	38.0	13.0	330	23.0
50 PERCENT	62	45	19.0	12.0	45	15.0
10 PERCENT	121	106	42.0	25.6	96	36.0

SELENIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
091273	2.0	3.0	1.0	1.0	3.0	1.0
091573	1.0	1.0	1.0	1.0	1.0	1.0
091973	1.0	1.2	1.7	1.0	2.7	3.7
092073	1.0	1.0	1.0	1.2	1.0	1.0
092173	1.0	1.0	1.0	1.0	2.0	1.8
092473	1.0	1.0	1.0	1.0	1.0	1.0
092573	1.0	1.0	1.0	1.0	1.0	1.0
092673	1.0	1.0	1.0	1.0	1.0	1.0
092773	1.0	1.0	1.0	1.0	1.0	1.0
50 PERCENT	1.0	1.0	1.0	1.0	1.0	1.0
10 PERCENT	2.0	3.0	1.7	1.2	3.0	3.7

SELENIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
091273	5.0	1.0	4.0	2.0	4.0	1.0
091573	1.0	1.0	1.0	1.0	1.0	1.0
091973	1.8	2.7	1.8	1.6	1.0	1.2
092073	1.0	1.0	1.0	1.0	1.0	1.0
092173	1.0	1.4	1.0	1.0	1.0	1.6
092473	1.0	1.0	1.0	1.0	1.0	1.0
092573	1.0	1.0	1.0	1.0	1.0	1.0
092673	1.0	1.0	1.0	1.0	1.0	1.0
092773	1.0	1.0	1.0	1.0	1.0	1.0
50 PERCENT	1.0	1.0	1.0	1.0	1.0	1.0
10 PERCENT	5.0	2.7	4.0	2.0	4.0	1.6

SILVER MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
090373	54.0	8.0	1.0	1.0	7.0	3.0
090473	94.0	23.0	3.0	5.0	4.0	1.0
090573	29.0	17.0	21.0	3.0	6.0	3.0
090673	91.0	7.0	1.0	1.0	2.0	1.0
090773	21.0	13.0	1.0	1.0	2.0	1.0
090873	20.0	11.0	1.9	2.8	4.4	2.9
090973	38.0	9.0	1.0	1.0	2.5	1.0
091073	23.0	19.0	1.0	1.0	3.0	1.0
091173	16.0	8.5	1.0	1.0	4.0	1.2
091273	15.0	17.0	11.0	1.0	4.9	1.0
091373	44.0	16.0	1.0	1.5	2.0	1.8
091473	45.0	26.0	3.3	1.0	4.1	2.4
091573	5.7	7.0	1.0	1.5	3.2	2.2
091673	28.0	7.0	1.0	1.0	4.0	2.0
091773	40.0	10.0	1.5	1.0	3.3	1.5
091873	60.0	36.0	3.0	1.0	3.5	2.0
091973	33.0	23.0	1.0	1.0	2.0	1.0
092073	35.4	11.3	2.6	7.0	2.7	1.6
092173	12.8	7.0	3.2	0.9	2.6	1.0
092273	53.0	14.0	4.0	1.0	6.0	2.0
092373	21.0	11.0	3.7	1.1	2.5	1.0
092473	21.0	10.0	1.0	1.8	2.5	1.3
092573	20.0	7.0	2.0	1.0	2.0	1.0
092673	9.5	14.0	4.7	1.0	1.4	1.2
092773	13.0	13.0	1.0	1.0	2.8	3.4
50 PERCENT	28.0	11.3	1.5	1.0	3.0	1.3
10 PERCENT	72.4	24.2	7.2	3.8	6.0	3.0

SILVER MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	5.0	2.0	4.0	2.0	6.0	3.0
090473	6.0	1.0	1.0	1.0	8.0	6.0
090573	7.0	1.0	2.0	2.0	8.0	4.0
090673	1.0	1.0	1.0	1.0	1.0	1.0
090773	2.0	1.4	1.0	1.0	2.3	1.0
090873	2.2	1.0	2.0	1.9	5.0	1.6
090973	2.2	1.2	1.3	1.2	2.5	1.1
091073	1.0	1.0	1.0	1.0	4.7	1.0
091173	1.5	1.0	1.0	1.0	2.3	1.0
091273	4.5	1.0	1.2	1.0	1.4	1.2
091373	1.0	2.0	1.0	1.0	3.0	3.0
091473	1.9	1.1	1.0	1.1	3.4	2.1
091573	2.9	1.6	1.0	1.0	2.3	1.0
091673	5.0	1.0	1.0	2.0	5.0	1.0
091773	2.8	1.3	1.3	1.8	6.0	1.0
091873	4.0	2.0	2.0	1.0	4.0	2.0
091973	1.0	2.0	1.0	1.0	2.0	1.0
092073	1.8	2.1	5.7	1.0	1.5	1.6
092173	2.9	2.6	1.0	1.6	1.3	1.7
092273	4.0	5.0	2.0	3.0	3.0	2.0
092373	2.4	1.7	1.9	1.5	2.4	1.0
092473	1.3	1.8	1.0	1.0	1.5	1.0
092573	1.0	2.0	1.0	1.0	1.0	2.0
092673	1.0	2.3	1.0	1.0	1.3	1.0
092773	2.5	1.2	1.0	2.8	2.5	1.0
50 PERCENT	2.2	1.4	1.0	1.0	2.5	1.1
10 PERCENT	5.4	2.4	2.8	2.3	6.8	3.4

SODIUM MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	1,400
091973	13
092073	14
092573	1,200
092673	1,500
50 PERCENT	1,200
10 PERCENT	0

THALLIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	23.0
091973	5.0
092073	10.0
092573	34.0
092673	40.0
50 PERCENT	23.0
10 PERCENT	0.0

TIN MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	10.0
091973	5.0
092073	5.0
092573	7.0
092673	6.0
50 PERCENT	6.0
10 PERCENT	0.0

TITANIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	1,100
091973	3,500
092073	900
092573	70
092673	19
50 PERCENT	900
10 PERCENT	0

VANADIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	10.0
091973	10.0
092073	25.0
092573	10.0
092673	10.0
50 PERCENT	10.0
10 PERCENT	0.0

ZINC MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
090373	1,440	400	520	380.0	640.0	550.0
090473	950	350	430	290.0	300.0	180.0
090573	690	410	360	220.0	270.0	360.0
090673	420	400	120	51.0	172.0	130.0
090773	960	610	130	42.0	210.0	180.0
090873	610	600	110	60.0	180.0	130.0
090973	1,200	430	130	31.0	150.0	90.0
091073	610	580	80	38.0	220.0	80.0
091173	450	650	150	40.0	380.0	110.0
091273	480	400	100	30.0	130.0	70.0
091373	1,200	750	82	26.0	170.0	47.0
091473	1,600	720	110	53.0	190.0	110.0
091573	11,000	7,200	1,900	110.0	2600.0	140.0
091673	440	800	830	490.0	1100.0	830.0
091773	1,600	600	460	260.0	460.0	800.0
091873	1,300	900	400	180.0	1300.0	500.0
091973	700	800	130	110.0	240.0	200.0
092073	84	51	16	1.3	4.3	1.5
092173	63	61	15	4.6	10.8	8.1
092273	960	360	280	110.0	180.0	220.0
092373	540	340	470	180.0	140.0	160.0
092473	960	580	230	150.0	160.0	90.0
092573	760	400	274	188.0	310.0	130.0
092673	420	790	530	94.0	590.0	141.0
092773	430	630	140	102.0	222.0	194.0
50 PERCENT	700	580	150	102.0	220.0	140.0
10 PERCENT	1,600	840	650	326.0	1180.0	650.0

ZINC MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	250.0	270.0	30.0	30.0	210.0	70.0
090473	300.0	330.0	50.0	30.0	100.0	130.0
090573	340.0	49.0	14.0	19.0	450.0	23.0
090673	160.0	310.0	13.0	6.0	150.0	13.0
090773	90.0	51.0	7.0	10.0	85.0	20.0
090873	150.0	40.0	1.0	20.0	140.0	1.0
090973	110.0	110.0	20.0	40.0	53.0	11.0
091073	110.0	100.0	12.0	12.0	150.0	14.0
091173	190.0	110.0	10.0	50.0	190.0	10.0
091273	300.0	110.0	29.0	28.0	90.0	20.0
091373	190.0	350.0	50.0	19.0	140.0	17.0
091473	390.0	21.0	14.0	26.0	180.0	20.0
091573	3200.0	3200.0	80.0	60.0	2800.0	60.0
091673	180.0	750.0	22.0	47.0	150.0	14.0
091773	300.0	280.0	14.0	20.0	440.0	8.0
091873	170.0	170.0	23.0	25.0	90.0	23.0
091973	170.0	140.0	18.0	25.0	70.0	18.0
092073	14.3	93.8	1.5	41.0	42.0	22.5
092173	3.3	2.4	5.0	0.6	6.6	17.5
092273	130.0	95.0	28.0	31.0	120.0	30.0
092373	110.0	45.0	19.0	28.0	89.0	7.0
092473	270.0	50.0	33.0	13.0	300.0	33.0
092573	39.0	197.0	21.0	49.0	154.0	347.0
092673	119.0	70.0	19.0	29.0	99.0	32.0
092773	120.0	82.0	50.0	46.0	130.0	29.0
50 PERCENT	170.0	110.0	19.0	28.0	140.0	20.0
10 PERCENT	360.0	510.0	50.0	49.4	444.0	94.0

LITHIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	14.0
091973	10.0
092073	10.0
092573	15.0
092673	12.0
50 PERCENT	12.0
10 PERCENT	0.0

HEXAVALENT CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
091273	5.0	5.0	5.0	5.0	5.0	5.0
091573	60.0	70.0	140.0	5.0	80.0	5.0
091873	30.0	25.0	5.0	5.0	5.0	5.0
091973	400.0	600.0	5.0	5.0	5.0	5.0
092073	5.0	5.0	5.0	5.0	5.0	5.0
092173	5.0	5.0	5.0	5.0	5.0	5.0
092473	5.0	5.0	5.0	5.0	5.0	5.0
092573	5.0	5.0	5.0	5.0	5.0	5.0
092673	5.0	5.0	5.0	5.0	5.0	5.0
092773	5.0	5.0	5.0	5.0	5.0	5.0
50 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0
10 PERCENT	366.0	547.0	126.5	5.0	72.5	5.0

HEXAVALENT CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
091273	5.0	5.0	5.0	5.0	5.0	5.0
091573	90.0	5.0	5.0	5.0	110.0	5.0
091873	5.0	5.0	5.0	5.0	125.0	5.0
091973	5.0	5.0	5.0	5.0	5.0	5.0
092073	5.0	5.0	5.0	5.0	5.0	5.0
092173	5.0	5.0	5.0	5.0	5.0	5.0
092473	5.0	5.0	5.0	5.0	5.0	5.0
092573	5.0	5.0	5.0	5.0	5.0	5.0
092673	5.0	5.0	5.0	5.0	5.0	5.0
092773	5.0	5.0	5.0	5.0	5.0	5.0
50 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0
10 PERCENT	81.5	5.0	5.0	5.0	123.5	5.0

FERROUS IRON MICRO-G/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
091273	94	82	41.0	20.0	37.0	20.0
091573	42	43	20.0	20.0	20.0	20.0
091873	279	110	10.0	10.0	24.0	10.0
091973	217	169	16.0	10.0	12.0	10.0
092073	44	17	10.0	10.0	10.0	10.0
092173	153	128	10.0	10.0	14.0	10.0
092473	20	20	20.0	20.0	20.0	20.0
092573	20	20	20.0	20.0	20.0	20.0
092673	20	20	20.0	20.0	20.0	20.0
092773	20	20	20.0	20.0	20.0	20.0
50 PERCENT	43	31	20.0	20.0	20.0	20.0
10 PERCENT	273	165	38.9	20.0	35.7	20.0

FERROUS IRON MICRO-G/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091273	58.0	20.0	20.0	20.0	20.3	20.0
091573	20.0	20.0	20.0	20.0	20.0	20.0
091873	97.0	10.0	10.0	10.0	37.0	20.0
091973	271.0	14.0	15.0	29.0	10.0	42.0
092073	10.0	10.0	10.0	10.0	10.0	10.0
092173	37.0	10.0	10.0	10.0	32.0	10.0
092473	20.0	20.0	20.0	20.0	20.0	20.0
092573	20.0	20.0	20.0	20.0	20.0	20.0
092673	20.0	20.0	20.0	20.0	20.0	20.0
092773	20.0	20.0	20.0	20.0	20.0	20.0
50 PERCENT	20.0	20.0	20.0	20.0	20.0	20.0
10 PERCENT	253.6	20.0	20.0	28.1	36.5	39.8

ALKALINITY MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373			70		170	
090473			100		120	
090573			80		130	
090673			110		160	
090773			100		140	
090873					120	
090973			14		160	
091073			140			
091173			150		160	
091273	40	160	100	140	140	160
091373			130		140	
091473			110		140	
091573	120	160	120	90	150	140
091673			100		170	
091773			100		160	
091873	150	140	120	70	200	100
091973	120	145	145	120	135	140
092073	130	130	110	60	120	100
092173	100	160	130	90	130	150
092273			110		170	
092373			70		160	
092473	120	140	100	50	160	170
092573	162	146	94	70	157	167
092673	157	146	92	70	167	178
092773	140	119	97	70	151	167
50 PERCENT	125	145	100	70	154	155
10 PERCENT	161	160	143	138	170	177

ALKALINITY MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373						
090473						
090573						
090673						
090773						
090873						
090973						
091073						
091173						
091273	10.0	20	170	210	70	20
091373						
091473						
091573	90.0	80	100	90	110	100
091673						
091773						
091873	100.0	110	150	150	130	135
091973	90.0	80	100	120	140	155
092073	70.0	60	155	150	105	120
092173	20.0	80	120	160	110	180
092273						
092373						
092473	70.0	130	120	150	80	190
092573	86.0	140	119	151	98	184
092673	113.0	227	135	162	113	297
092773	113.0	194	113	124	135	232
50 PERCENT	88.0	95	120	150	110	167
10 PERCENT	113.0	224	168	205	139	290

5 DAY BOD MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373	139	74	10.8	6.1	10.3	4.4
090473	252	263	45.0	3.6	44.8	3.9
090573	224	140	7.8	4.9	8.2	3.4
090673	190	85	6.4	3.2	7.6	2.8
090773	274	83	23.4	1.6	9.2	9.0
090873	330	132	12.1	17.0	9.4	17.0
090973	218	97	3.9	5.7	7.2	1.8
091073	202	116	6.4	2.3	12.4	2.9
091173	377	123	8.1	2.9	20.0	16.5
091273	209	235	15.7	3.2	20.6	2.7
091373	480	209	9.7	2.0	9.7	2.0
091473	289	80	7.6	1.2	8.0	2.4
091573	146	127	37.9	9.5	13.0	4.4
091673	132	79	4.4	6.5	7.0	2.5
091773	527	86	13.0	5.3	4.8	0.8
091873	517	99	11.8	2.2	5.4	6.6
091973	482	442	29.3	5.2	13.2	6.1
092073	317	164	28.0	1.2	11.3	5.0
092173	267	100	8.8	4.4	7.2	3.2
092273	356	184	16.0	1.9	9.1	3.2
092373	132	110	5.8	1.4	12.3	2.4
092473	253	157	14.8	1.0	6.8	2.7
092573	570	91	11.6	2.4	14.8	4.1
092673	170	142	9.4	1.2	10.8	3.5
092773	366	192	13.6	4.6	14.2	2.6
092973					11.3	
50 PERCENT	267	123	11.6	3.2	10.0	3.2
10 PERCENT	521	246	32.7	7.7	20.2	12.0

5 DAY BOD MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	18	10.5	51	7.6	30	27.0
090473	81	51.6	70	22.4	10	9.6
090573	62	50.2	33	30.6	80	37.7
090673	83	48.0	52	23.4	98	40.1
090773	130	60.6	44	31.6	100	57.0
090873	67	29.1	23	3.7	16	27.4
090973	28	6.4	17	5.0	24	8.9
091073	138	11.2	73	51.0	73	20.5
091173	47	44.0	41	39.0	73	44.0
091273	84	29.7	25	61.5	35	61.2
091373	38	20.4	41	34.8	32	32.8
091473	63	31.6	48	26.3	63	42.1
091573	87	26.8	65	20.8	21	23.7
091673	41	23.1	24	19.2	48	8.0
091773	73	9.1	46	25.7	70	17.0
091873	110	27.1	63	16.5	95	39.5
091973	96	65.0	75	67.3	105	106.0
092073	136	41.7	42	21.4	132	49.3
092173	140	57.2	45	44.4	50	9.7
092273	29	71.1	67	55.8	61	9.3
092373	30	17.7	16	15.4	44	9.7
092473	73	36.7	28	21.0	54	6.5
092573	67	18.6	40	47.3	88	9.4
092673	110	13.4	47	37.8	97	8.6
092773	115	12.3	41	58.7	134	7.8
092973						
50 PERCENT	73	29.1	44	26.3	62	23.7
10 PERCENT	137	62.4	71	59.8	116	58.7

DISSOLVED 5 DAY BOD MG/L

24 HOUR COMPOSITE

DATE	SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	SE H.P.O. - A.S. PROCESS 32 H.P.O. - A.S. MIXED LIQUOR
090373	42	31.5
090573	18	20.0
090673	70	77.5
090773	60	82.5
090873	55	58.0
090973	70	85.0
091073	54	82.0
091173	68	66.0
091273	70	65.0
091573	105	100.0
091673	96	45.0
091773	12	52.0
091873	29	58.0
092073	48	62.5
092173	86	
092273	84	55.7
092373	14	8.9
092473	54	15.0
092573	56	7.5
092673	78	8.4
092773	113	34.5
50 PERCENT	60	56.8
10 PERCENT	103	84.7

BROMIDE MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.1
091973	0.1
092073	0.1
092573	0.1
092673	0.1
50 PERCENT	0.1
10 PERCENT	0.0

CHLORIDE MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	1,540
091973	1,450
092073	1,370
092573	1,720
092673	2,220
50 PERCENT	1,540
10 PERCENT	0

CHEMICAL OXYGEN DEMAND MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
090373	274	262	53	136.0	202	114
090473	1,324	1,233	584	145.0	159	170
090573	477	394	340	200.0	121	168
090673	468	421	169	170.0	136	152
090773	792	544	122	135.0	106	59
090873	714	603	156	136.0	141	78
090973	939	284	181	4.0	108	29
091073	657	406	185	178.0	42	154
091173	485	637	184	133.0	135	140
091273	650	550	220	121.0	133	117
091373	1,246	379	118	189.0	154	140
091473	927	536	113	93.1	230	77
091573	904	379	220	140.0	31	73
091673	492	90	205	77.0	138	96
091773	1,236	415	152	154.0	45	39
091873	570	824	153	75.0	102	119
091973	1,224	827	224	134.0	106	56
092073	1,395	633	34	105.0	103	21
092173	937	582	52	119.0	57	14
092273	1,662	404	256	198.0	122	140
092373	505	465	180	137.0	191	93
092473	1,127	641	182	214.0	36	101
092573	1,267	341	86	76.1	321	52
092673	544	741	241	97.4	349	88
092773	953	612	423	211.0	276	95
50 PERCENT	904	536	181	136.0	133	95
10 PERCENT	1,352	825	373	204.4	294	160

CHEMICAL OXYGEN DEMAND MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	103	126	167	127	270	138
090473	187	139	162	104	204	110
090573	208	186	159	131	187	139
090673	165	146	186	142	233	104
090773	225	155	226	126	356	138
090873	131	117	153	20	150	81
090973	97	119	115	135	99	97
091073	186	108	173	101	186	69
091173	200	181	269	159	254	169
091273	262	117	194	117	169	126
091373	190	182	219	162	185	108
091473	129	267	149	190	523	188
091573	140	112	89	136	347	109
091673	259	53	84	69	154	[illegible]
091773	173	123	275	196	227	175
091873	202	167	179	146	287	216
091973	269	169	145	121	226	
092073	176	47	183	26	186	71
092173	278	63	171	55	188	54
092273	183	99	229	55	217	42
092373	305	33	132	34	131	20
092473	408	86	206	88	215	32
092573	203	34	99	55	308	52
092673	262	154	169	182	245	157
092773	252	49	209	130	342	142
50 PERCENT	200	119	171	126	217	109
10 PERCENT	289	184	245	185	351	182

SOLUBLE CHEMICAL OXYGEN DEMAND MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE H.P.O. - A.S. PROCESS	SE CONVENTIONAL A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	10 H.P.O. - A.S. EFFLUENT	31 CONVENTIONAL A.S MIXED LIQUOR	32 H.P.O. - A.S. MIXED LIQUOR
090373	228	98	710	700
090473	676	155	192	155
090573	192	138	169	128
090673	236	201	143	141
090773	212	56	125	103
090873	318	79	130	128
090973	121	82	74	98
091073	640	81	67	81
091173	190	121	95	94
091273	190	93	77	91
091373	171	78	241	192
091473	160	121	548	630
091573	214	52	382	327
091673	214	97	170	131
091773	177	60	102	65
091873	150	118	124	111
091973	246	128	61	144
092073	218	40	61	55
092173	219	75	104	71
092273	235	81	250	94
092373	268	89	131	103
092473	212	86	89	153
092573	90	113	101	77
092673	144	246	230	52
092773	165	147	137	114
50 PERCENT	212	93	130	111
10 PERCENT	447	173	448	448

FLOURIDE MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
091273	1.0	1.1	1.3	1.0	1.4	1.2
091573	0.5	0.6	0.9	0.5	0.8	1.0
091873	1.1	1.1	1.2	0.6	1.2	1.4
091975	1.0	1.1	1.2	0.9	1.2	1.1
092073	0.7	0.7	1.0	0.6	0.9	1.0
092173	0.7	0.7	1.0	0.5	0.8	0.7
092473	1.0	1.0	1.1	0.5	1.1	1.0
092573	1.2	1.2	1.1	0.8	1.0	1.0
092673	1.4	1.1	1.1	0.5	1.1	1.0
092773	1.0		1.2	0.7	1.1	1.2
50 PERCENT	1.0	1.1	1.1	0.6	1.1	1.0
10 PERCENT	1.4	1.2	1.3	1.0	1.4	1.4

FLOURIDE MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091273	1.0	0.8	0.5	0.5	0.1	0.5
091573	0.8	0.6	0.4	0.4	0.3	0.5
091873	1.3	1.2	0.5	0.4	0.7	0.4
091973	1.2	1.2	0.6	0.6	0.8	1.0
092073	1.1	0.8	0.5	0.7	0.4	0.6
092173	1.0	0.6	0.7	0.7	0.5	0.5
092473	0.9	1.0	0.4	0.4	0.4	0.4
092573	0.9	1.2	0.4	0.6	0.6	0.8
092673	1.0	1.1	0.4	0.4	1.2	0.6
092773	1.0	1.2	0.4	0.5	0.6	0.5
50 PERCENT	1.0	1.0	0.5	0.5	0.5	0.5
10 PERCENT	1.3	1.2	0.7	0.7	1.2	1.0

IODIDE MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.01
091973	0.01
092073	0.01
092573	0.01
092673	0.01
50 PERCENT	0.01
10 PERCENT	0.00

OIL & GREASE MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
090373	68	29.0	4.2	1.9	10.4	15.4
090473	61	56.8	2.3	2.4	3.4	3.0
090573	17	16.0	4.1	1.5	4.0	3.6
090673	42	23.0	2.2	1.7	2.2	5.1
090773	73	36.0	5.6	1.3	3.0	4.0
090873	84	55.0	1.3	3.8	1.5	3.8
090973	110	25.0	2.8	3.2	5.2	4.1
091073	54	23.0	1.2	2.0	2.4	1.6
091173	58	31.2	0.2	0.4	2.4	0.4
091273	74	42.0	2.2	3.6	2.6	0.8
091373	94	15.0	0.4	0.6	0.4	0.2
091473	150	37.0	1.4	1.4	2.8	0.2
091573	89	17.0	1.2	0.4	1.8	0.4
091673	23	12.0	4.6	2.2	1.2	1.0
091773	150	10.0	4.0	3.4	3.6	4.0
091873	130	12.0	1.1	2.2	2.2	1.2
091973	190	17.0	2.6	0.1	0.1	0.1
092073	140	16.0	1.8	1.4	1.6	1.8
092173	56	11.0	2.6	2.8	27.0	1.0
092273	360	22.0	4.4	7.4	3.4	2.4
092373	39	18.0	8.2	1.2	2.6	5.2
092473	17	9.8	0.2	0.2	0.1	1.4
092573	204	8.8	4.0	3.6	0.1	0.1
092673	96	17.0	3.4	3.6	5.0	5.4
092773	220	84.0	6.7	3.3	25.0	24.0
50 PERCENT	84	18.0	2.6	2.0	2.6	1.8
10 PERCENT	210	55.7	6.0	3.7	16.2	9.4

OIL & GREASE MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	7.4	3.0	3.9	0.3	11.4	3.8
090473	2.6	0.1	1.8	2.0	3.5	1.6
090573	2.4	1.3	2.3	0.5	0.6	1.1
090673	2.6	2.2	2.6	2.1	7.0	2.5
090773	2.4	0.8	0.8	1.7	2.8	1.2
090873	0.3	3.9	3.3	1.5	4.1	2.0
090973	4.1	0.3	5.2	1.4	9.0	0.2
091073	3.0	0.2	1.0	0.6	4.6	2.2
091173	0.6	2.0	0.4	0.4	0.4	0.4
091273	2.4	1.6	0.8	2.2	2.2	7.2
091373	2.2	1.2	1.0	2.0	2.0	1.4
091473	0.4	0.6	3.2	0.4	3.6	0.4
091573	2.6	2.6	1.6	3.0	2.8	3.4
091673	2.4	5.4	0.1	7.4	8.0	12.8
091773	5.0	5.4	4.8	4.2	7.8	4.6
091873	6.0	3.2	2.6	3.6	4.6	3.2
091973	2.8	2.2	0.1	1.2	6.6	2.4
092073	1.8	2.8	1.6	3.0	6.2	2.8
092173	6.0	4.8	0.2	42.0	33.0	63.0
092273	4.2	1.2	6.6	0.2	2.2	3.8
092373	5.6	0.1	5.0	0.2	5.2	0.2
092473	0.1	8.0	0.1	0.2	7.0	1.0
092573	1.6	2.0	0.1	0.1	0.8	0.1
092673	5.0	33.0	2.8	34.0	40.0	23.0
092773	35.0	25.0	25.0	27.0	39.0	25.0
50 PERCENT	2.6	2.2	1.8	1.7	4.6	2.4
10 PERCENT	6.6	14.8	5.8	29.8	35.4	23.8

PHENOL MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.C. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
090373	0.4	0.12	0.130	0.001	0.41	0.093
090473	0.4	0.36	0.027	0.001	0.04	0.001
090573	0.3	0.13	0.030	0.001	0.05	0.001
090673	0.5	0.18	0.032	0.001	0.05	0.001
090773	0.4	0.18	0.022	0.001	0.04	0.001
090873	0.3	0.13	0.012	0.001	0.04	0.003
090973	0.3	0.08	0.004	0.001	0.02	0.001
091073	0.4	0.13	0.035	0.001	0.04	0.001
091173	0.3	0.27	0.055	0.001	0.05	0.001
091273	0.6	0.07	0.046	0.001	0.03	0.001
091373	0.4	0.11	0.034	0.001	0.03	0.001
091473	0.4	0.13	0.024	0.001	0.03	0.001
091573	0.3	0.09	0.021	0.001	0.03	0.001
091673	0.3	0.07	0.009	0.001	0.01	0.001
091773	0.4	0.05	0.021	0.001	0.02	0.001
091873	0.4	0.22	0.026	0.001	0.03	0.001
091973	0.3	0.12	0.036	0.001	0.02	0.001
092073	0.2	0.16	0.020	0.003	0.02	0.001
092173	0.3	0.09	0.022	0.001	0.02	0.001
092273	0.2	0.10	0.023	0.001	0.02	0.001
092373	0.1	0.08	0.012	0.001	0.01	0.001
092473	0.3	0.17	0.042	0.002	0.03	0.001
092573	0.3	0.06	0.027	0.001	0.04	0.001
092673	0.2	0.17	0.015	0.001	0.02	0.001
092773	0.3	0.22	0.023	0.001	0.04	0.001
50 PERCENT	0.3	0.13	0.024	0.001	0.03	0.001
10 PERCENT	0.5	0.24	0.050	0.001	0.05	0.002

PHENOL MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	0.33	0.001	0.3	0.001	0.3	0.001
090473	0.17	0.001	0.4	0.001	0.3	0.001
090573	0.36	0.001	0.3	0.001	0.3	0.001
090673	0.36	0.001	0.3	0.001	0.3	0.001
090773	0.34	0.001	0.3	0.001	0.3	0.001
090873	0.38	0.001	0.3	0.001	0.3	0.001
090973	0.24	0.001	0.2	0.001	0.1	0.001
091073	0.53	0.001	0.6	0.001	0.4	0.001
091173	0.37	0.001	0.4	0.001	0.4	0.001
091273	0.28	0.001	0.3	0.001	0.1	0.001
091373	0.32	0.003	0.3	0.001	0.3	0.001
091473	0.24	0.001	0.4	0.001	0.4	1.000
091573	0.29	0.001	0.3	0.001	0.2	0.001
091673	0.31	0.001	0.3	0.001	0.2	0.002
091773	0.27	0.001	0.3	0.001	0.3	0.001
091873	0.26	0.001	0.3	0.001	0.3	0.001
091973	0.30	0.001	0.3	0.001	0.3	0.001
092073	0.21	0.010	0.2	0.001	0.2	0.005
092173	0.45	0.001	0.2	0.002	0.2	0.001
092273	0.06	0.001	0.2	0.001	0.2	0.001
092373	0.23	0.001	0.2	0.001	0.2	0.001
092473	0.34	0.004	0.4	0.001	0.4	0.002
092573	0.32	0.001	0.3	0.001	0.3	0.001
092673	0.26	0.001	0.2	0.001	0.2	0.001
092773	0.32	0.001	0.3	0.022	0.3	0.001
50 PERCENT	0.31	0.001	0.3	0.001	0.3	0.001
10 PERCENT	0.41	0.003	0.4	0.001	0.4	0.003

SULFATE MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	288
091973	310
092073	260
092573	480
092673	440
50 PERCENT	310
10 PERCENT	0

SULFATE MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	2.9
091973	5.0
092073	4.6
092573	6.0
092673	4.5
50 PERCENT	4.6
10 PERCENT	0.0

SULFIDE MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
091273	0.1	0.1	0.10	0.10	0.10	0.10
091573	0.3	0.6	0.10	0.10	0.10	0.10
091873	0.4	0.3	0.12	0.04	0.12	0.06
091973	0.6	0.3	0.05	0.04	0.08	0.13
092073	0.5	0.3	0.05	0.07	0.37	0.09
092173	0.3	0.2	0.46	0.35	0.34	0.30
092473	0.3	0.2	0.19	0.08	0.10	0.13
092573	1.2	0.5	0.30	0.30	0.30	0.30
092673	0.4	0.5	0.30	0.60	0.30	0.40
092773	0.3	0.5	0.20	0.10	0.20	0.20
50 PERCENT	0.3	0.3	0.15	0.10	0.16	0.13
10 PERCENT	1.1	0.6	0.44	0.57	0.37	0.39

SULFIDE MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
091273	0.10	0.10	0.10	0.10	0.10	0.30
091573	0.10	0.10	0.10	0.10	0.10	0.10
091873	0.10	0.28	0.07	0.04	0.02	0.20
091973	0.06	0.03	0.06	0.11	0.11	2.20
092073	0.40	0.56	0.46	0.58	0.38	0.08
092173	0.27	0.30	0.27	0.27	0.38	0.37
092473	0.10	0.10	0.10	0.10	0.19	0.20
092573	0.30	0.20	0.30	0.50	0.20	0.30
092673	0.30	0.20	0.30	0.20	0.40	0.10
092773	0.20	0.10	0.10	0.10	0.30	0.10
50 PERCENT	0.15	0.15	0.10	0.10	0.19	0.20
10 PERCENT	0.39	0.53	0.44	0.57	0.40	2.02

SURFACTANTS MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
091273	0.1	0.2	0.2	0.02	0.13	0.02
091573	2.6	2.6	2.9	0.60	0.09	0.09
091873	0.4	0.3	0.2	1.00	0.10	0.10
091973	0.4	0.2	0.6	0.01	0.09	0.02
092073	2.6	2.5	0.4	0.04	0.13	0.01
092173	5.1	2.7	0.4	0.14	0.10	0.10
092473	0.1	0.1	0.1	0.10	0.10	0.10
092573	0.1	0.1	0.1	0.10	0.10	0.10
092673	1.2	3.1	0.1	0.10	0.10	0.10
092773	2.7	2.4	0.1	0.10	0.10	0.10
50 PERCENT	0.8	1.3	0.2	0.10	0.10	0.10
10 PERCENT	4.9	3.1	2.7	0.96	0.13	0.10

SURFACTANTS MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
091273	0.3	0.04	0.4	0.02	0.5	0.02
091573	2.9	0.90	0.3	1.20	0.6	0.02
091873	2.5	0.10	1.1	0.10	0.6	0.10
091973	2.0	0.17	0.4	0.13	1.1	0.09
092073	1.2	0.01	0.8	0.02	0.5	0.03
092173	1.7	0.10	0.5	0.10	0.8	0.10
092473	0.1	0.10	0.1	0.10	0.1	0.10
092573	0.1	0.10	0.1	0.10	0.1	0.10
092673	1.6	0.10	0.4	0.10	1.4	0.10
092773	2.7	0.10	0.8	0.10	0.7	0.10
50 PERCENT	1.6	0.10	0.4	0.10	0.6	0.10
10 PERCENT	2.9	0.83	1.1	1.09	1.4	0.10

HARDNESS MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	1,260
091973	456
092073	466
092573	500
092673	680
50 PERCENT	500
10 PERCENT	0

TOTAL ORGANIC CARBON MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PRCCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
091273	157.0	116	32	4.0	37.0	8.0
091573	88.0	92	20	1.0	32.0	6.0
091873	308.0	198	21	2.0	28.0	7.0
091973	45.0	140	195	31.0	3.0	26.0
092073	290.0	124	29	3.0	31.0	7.0
092173	96.0	60	28	7.0	25.0	6.0
092273	8.0					
092473	188.0	122	33	2.0	29.0	7.0
092573	330.0	161	36	3.0	34.0	8.0
092673	124.0	161	23	3.0	34.0	8.0
092773	248.0	194	26	3.0	36.0	5.0
50 PERCENT	157.0	132	28	3.0	31.5	7.0
10 PERCENT	325.6	198	179	28.6	36.9	24.2

TOTAL ORGANIC CARBON MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091273	58.0	21.0	50	26	58	31.0
091573	44.0	9.0	24	13	40	10.0
091873	60.0	14.0	43	12	58	15.0
091973	7.0	28.0	69	28	76	43.0
092073	48.0	21.0	34	11	68	22.0
092173	68.0	10.0	33	15	32	7.0
092273						
092473	43.0	17.0	41	15	54	8.0
092573	55.0	11.0	41	20	56	9.0
092673	55.0	15.0	30	24	78	16.0
092773	52.0	13.0	40	28	80	11.0
50 PERCENT	53.5	14.5	40	17	58	13.0
10 PERCENT	67.2	27.3	67	28	80	41.8

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT
090373	15.6	12.2	3.4	1.6	14.0
090473	16.4	22.6	6.9	4.6	18.4
090573	16.0	13.0	6.0	5.3	12.0
090673	16.8	15.6	8.0	2.7	13.2
090773	14.0	14.0	11.0	11.0	14.0
090873	14.0	14.0	10.0	8.4	13.0
090973	14.4	11.8	7.6	6.2	15.2
091073	13.0	12.6	11.2	9.0	16.4
091173	17.6	13.4	13.4	9.6	16.4
091273	20.0	14.4	16.0	15.0	13.8
091373	17.6	14.4	11.8	10.0	16.4
091473	15.4	2.3	8.2	10.2	14.2
091573	14.8	15.6	12.4	10.6	15.6
091673	14.4	12.8	9.4	10.6	18.0
091773	22.8	20.4	10.4	13.8	22.8
091873	20.0	18.4	7.8	3.8	15.4
091973	9.4	6.2	10.6	6.2	10.0
092073	9.8	14.4	7.0	2.8	9.8
092173	13.0	14.8	10.6	9.8	12.6
092273	16.0	11.8	8.0	2.3	10.0
092373	12.4	9.6	7.2	5.8	12.4
092473	12.0	10.4	3.0	1.4	15.0
092573	20.4	18.8	1.0	0.7	13.4
092673	12.5	14.4	14.4	1.6	14.4
092773	8.4	6.2	1.4	1.2	2.9
50 PERCENT	14.8	14.0	8.2	6.2	14.0
10 PERCENT	20.2	19.4	13.8	12.1	18.2

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	15.2	12.6	14.0	22.0
090473	18.4	18.0	15.2	22.0
090573	12.4	12.0	12.0	12.0
090673	10.2	16.8	12.7	13.2
090773	10.4	13.0	13.0	13.0
090873	13.6	12.4	13.0	13.0
090973	15.2	12.8	10.8	12.4
091073	16.4	14.8	14.0	15.6
091173	15.6	13.4	13.0	14.8
091273	16.0	17.2	14.8	16.0
091373	13.8	17.8	14.4	13.8
091473	14.8	11.6	12.4	2.2
091573	15.6	14.0	15.6	15.2
091673	15.6	15.6	4.8	15.6
091773	22.8	14.4	25.6	22.8
091873	18.4	18.4	12.8	12.4
091973	10.0	12.0	12.4	12.0
092073	9.4	2.4	7.6	12.6
092173	14.8	16.4	14.8	17.6
092273	11.0	9.6	10.0	9.6
092373	13.6	4.8	8.8	10.4
092473	15.0	18.0	13.0	16.4
092573	12.4	16.4	13.4	18.0
092673	14.0	15.6	16.4	26.0
092773	7.8	8.8	10.4	13.2
50 PERCENT	14.8	14.0	13.0	13.8
10 PERCENT	18.4	18.0	15.9	22.3

NITRATE-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT
091573	0.50	0.30	0.3	0.3	0.5
091973	0.13	0.14	0.1	3.1	0.4
092073	0.15	0.10	2.3	1.3	0.9
092573	0.25	0.23	3.9	4.2	1.1
092673	0.03	0.08	4.0	3.4	0.6
50 PERCENT	0.15	0.14	2.3	3.1	0.6
10 PERCENT	0.00	0.00	0.0	0.0	0.0

NITRATE-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	12 CARBON COLUMN EFFLUENT	16 CARBON COLUMN EFFLUENT	23 CARBON COLUMN EFFLUENT	30 CARBON COLUMN EFFLUENT
091573	0.01	0.01	0.01	0.01
091973	0.30	0.01	0.01	0.01
092073	0.40	0.05	0.32	1.08
092573	0.17	0.23	0.03	0.17
092673	0.43	0.18	0.02	0.20
50 PERCENT	0.30	0.05	0.02	0.17
10 PERCENT	0.00	0.00	0.00	0.00

NITRITE-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT
091573	0.20	0.13	0.4	0.3	0.2
091973	0.24	0.16	0.2	0.2	0.2
092073	0.18	0.18	0.2	0.2	0.2
092573	0.01	0.26	0.9	1.8	0.4
092673	0.01	0.01	0.5	0.2	0.3
50 PERCENT	0.18	0.16	0.4	0.2	0.2
10 PERCENT	0.00	0.00	0.0	0.0	0.0

NITRITE-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091573	0.16	0.01	0.01	0.01
091973	0.25	0.01	0.01	0.01
092073	0.17	0.01	0.01	0.01
092573	0.01	0.15	0.01	0.12
092673	0.05	0.04	0.01	0.10
50 PERCENT	0.16	0.01	0.01	0.01
10 PERCENT	0.00	0.00	0.00	0.00

ORGANIC NITROGEN MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT
091573	19.7	26.4	7.6	3.9	11.4
091973	18.6	24.8	0.1	0.1	0.1
092073	12.7	1.6	1.8	6.0	8.2
092573	0.1	0.1	8.8	9.0	8.6
092673	25.5	23.6	0.1	3.7	12.6
50 PERCENT	18.6	23.6	1.8	3.9	8.6
10 PERCENT	0.0	0.0	0.0	0.0	0.0

ORGANIC NITROGEN MG/L

24 HOUR COMPOSITE

DATE	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091573	8.9	7.8	7.9	2.8
091973	1.0	0.5	3.1	3.5
092073	1.1	16.6	3.4	6.4
092573	0.1	1.1	5.1	1.0
092673	1.0	4.4	5.6	1.0
50 PERCENT	1.0	4.4	5.1	2.8
10 PERCENT	0.0	0.0	0.0	0.0

TOTAL NITROGEN MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT
091273	15	6.5	20.5	19.5	19.0
091573	35	2.0	20.0	14.5	27.0
091873	27	5.0	13.0	3.8	17.5
091973	28	1.0	4.3	5.4	6.2
092073	23	6.0	8.8	8.8	18.0
092173	34	1.5	18.0	14.5	15.0
092473	24	2.0	6.4		19.0
092573	20	3.0	9.7	9.7	22.0
092673	38	8.0	8.9	5.3	27.0
092773	11	7.6	2.9	1.9	8.2
50 PERCENT	25	4.2	9.3	8.8	18.5
10 PERCENT	38	1.6	20.4	19.5	27.0

TOTAL NITROGEN MG/L

24 HOUR COMPOSITE

DATE	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	12 CARBON COLUMN EFFLUENT	16 CARBON COLUMN EFFLUENT	23 CARBON COLUMN EFFLUENT	30 CARBON COLUMN EFFLUENT
091273	9.0	6.0	7.0	15.5
091573	4.5	1.8	3.5	18.0
091873	0.0	7.5	3.0	10.0
091973	1.0	2.5	5.5	15.5
092073	0.5	9.0	1.0	19.0
092173	8.5	0.5	0.5	16.0
092473	7.5	4.0	4.0	16.0
092573	1.5	7.5	8.5	19.0
092673	5.0	0.0	2.0	27.0
092773	5.6	3.4	3.2	0.6
50 PERCENT	6.2	8.2	6.2	16.0
10 PERCENT	4.0	3.6	3.3	26.2

ORTHO PHOSPHATE MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT
091273	2.4	3.5	4.6	0.55	2.7
091573	0.3	1.4	1.2	0.20	1.0
091873	4.0	6.0	2.9	0.15	3.5
091973	2.5	3.4	4.8	0.25	2.9
092073	1.5	3.5	2.2	0.32	3.1
092173	3.8	3.7	2.6	0.18	2.8
092473	2.5	2.0	2.9	0.15	4.0
092573	4.1	2.4	2.8	0.17	4.0
092673	3.1	3.9	3.4	0.25	2.9
092773	6.2	2.0	1.8	0.09	2.3
50 PERCENT	2.8	3.5	2.9	0.19	2.9
10 PERCENT	6.0	5.8	4.8	0.53	4.0

ORTHO PHOSPHATE MG/L

24 HOUR COMPOSITE

DATE	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091273	2.6	0.12	0.10	0.10
091573	2.1	0.23	0.21	0.32
091873	3.0	0.01	0.01	0.01
091973	2.6	0.05	0.04	0.20
092073	3.2	0.10	0.05	0.16
092173	2.5	0.01	0.01	0.01
092473	4.0	0.20	0.25	0.30
092573	3.9	0.01	0.01	0.03
092673	4.5	0.01	0.01	0.03
092773	1.5	0.01	0.04	0.02
50 PERCENT	2.8	0.03	0.04	0.06
10 PERCENT	4.5	0.23	0.25	0.32

TOTAL PHOSPHATE MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT
090373	8.0	8.1	10.0	0.4	5.8
090473	12.0	7.4	3.2	1.0	6.5
090573	9.4	5.4	2.4	0.4	3.2
090673	8.2	7.7	4.0	0.1	4.4
090773	9.8	8.2	4.4	1.2	5.0
090873	13.0	12.0	5.3	1.1	5.2
090973	17.0	9.5	5.4	1.0	6.5
091073	11.0	11.0	6.6	1.4	7.0
091173	9.0	9.6	6.0	1.6	5.5
091273	6.8	7.7	5.6	0.6	4.7
091373	12.0	9.5	4.0	0.9	4.6
091473	10.0	8.4	3.3	0.2	4.6
091573	7.1	9.5	1.9	0.2	2.8
091673	6.1	9.7	3.5	0.2	5.4
091773	14.7	7.0	6.3	0.3	5.0
091873	13.0	14.5	4.2	0.2	4.3
091973	9.3	10.9	6.0	0.3	4.1
092073	4.3	3.8	2.9	0.3	3.1
092173	8.2	7.0	3.6	0.3	3.5
092273	9.2	8.1	6.4	0.2	6.2
092373	12.4	9.2	4.8	0.1	5.5
092473	8.3	8.8	3.3	0.2	5.3
092573	11.8	7.1	7.8	7.0	5.4
092673	7.0	9.2	3.2	0.2	4.7
092773	2.0	8.3	3.2	0.2	4.5
50 PERCENT	9.3	8.4	4.2	0.3	5.0
10 PERCENT	13.7	11.4	7.1	1.5	6.5

TOTAL PHOSPHATE MG/L

24 HOUR COMPOSITE

DATE	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	5.5	0.1	0.10	0.2
090473	6.1	0.1	0.10	0.2
090573	2.2	0.4	0.10	0.2
090673	3.6	0.1	0.10	0.2
090773	4.0	0.2	0.10	0.3
090873	4.3	0.3	0.12	0.2
090973	5.7	0.1	0.10	0.1
091073	6.4	0.2	0.10	0.2
091173	8.4	0.2	0.10	0.3
091273	3.0	0.1	0.10	0.1
091373	4.3	0.4	0.10	0.1
091473	3.4	0.2	0.10	0.2
091573	2.2	0.3	0.10	0.2
091673	6.6	0.3	0.24	0.5
091773	5.5	0.1	0.10	0.1
091873	3.4	0.2	0.10	0.2
091973	3.0	0.1	0.10	0.2
092073	3.8	0.1	0.10	0.2
092173	2.9	0.2	0.10	0.2
092273	3.5	0.2	0.12	0.3
092373	5.2	0.2	0.10	0.2
092473	5.0	0.3	0.04	0.3
092573	4.6	0.2	0.10	0.3
092673	4.4	0.4	0.10	0.4
092773	3.8	0.1	0.20	0.2
50 PERCENT	4.3	0.2	0.10	0.2
10 PERCENT	6.5	0.4	0.15	0.3

GROSS ALPHA PC/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT
090373	20	17	26.0	25	26.0	18	27	22
090473	33	35	17.0	36	26.0	29	16	31
090573	21	26	22.0	20	22.0	24	19	24
090673	13	19	17.0	18	20.0	18	20	18
090773	14	17	16.0	16	16.0	18	15	18
090873	17	17	14.0	18	16.0	19	16	18
090973	16	15	14.0	17	16.0	19	16	15
091073	16	18	15.0	18	15.0	14	14	14
091173	16	16	13.0	17	15.0	18	16	16
091273	16	15	16.0	17	13.0	16	14	14
091373	17	17	15.0	18	15.0	15	16	16
091473	17	25	27.0	25	35.0	26	25	23
091573	19	17	19.0	19	19.0	17	19	31
091873	25	22	20.0	24	25.0	28	99	22
091973	19	25	21.0	17	19.0	17	22	21
092073	19	22	11.0	11	14.0	24	21	17
092173	23	18	10.0	22	10.0	17	16	25
092273	22	15	11.0	20	11.0	14	14	17
092373	21	21	11.0	19	13.0	20	16	11
092473	27	15	22.0	16	25.0	21	22	22
092573	22	22	11.0	22	17.0	20	20	18
092673	28	21	29.0	22	20.0	25	19	17
092773	19	22	21.0	22	23.0	23	19	16
50 PERCENT	19	18	16.0	19	17.0	19	19	18
10 PERCENT	27	26	26.6	25	26.0	27	26	29

GROSS BETA PC/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	42
091973	43
092073	140
092573	94
092673	130
50 PERCENT	94
10 PERCENT	0

FLOATABLES MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT – BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. – A.S. PROCESS 10 H.P.O. – A.S. EFFLUENT	SE H.P.O. – A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373	6.5	19.4	0.1	0.34	3.6	0.90
090473	1.9	2.3	3.9	0.20	2.9	0.20
090573	5.9	5.2	3.4	0.26	3.0	0.30
090673	7.3	8.6	1.6	0.01	2.1	0.15
090773	10.1	6.8	1.6	0.59	3.6	0.60
090873	13.9	15.9	0.7	0.01	2.0	0.01
090973	3.5	4.5	2.6	0.90	4.9	1.24
091073	3.8	4.2	2.0	0.17	2.8	0.13
091173	5.9	9.7	1.4	0.22	3.0	0.81
091273	2.7	8.2	9.0	5.90	1.7	0.10
091373	7.1	0.5	1.7	5.25	5.5	0.14
091473	24.4	24.6	10.2	0.80	7.0	0.20
091573	6.0	20.1	2.7	0.30	2.6	0.20
091673	15.1	20.1	5.5	0.30	8.0	0.70
091773	7.6	8.9	2.5	0.10	1.9	0.10
091873	9.5	17.6	7.6	0.40	8.4	0.60
091973	7.0	9.8	6.5	0.20	3.0	0.40
092073	8.8	8.8	5.0	0.30	2.7	0.30
092173	4.8	5.0	4.1	0.30	1.8	0.40
092273	27.3	24.9	6.2	0.20	1.9	0.30
092373	7.4	4.5	2.0	0.20	2.1	0.10
092473	3.4	6.7	3.5	0.30	2.2	0.50
092573	5.4	5.8	3.9	0.30	1.5	0.50
092673	1.6	2.0	0.7	0.70	1.2	0.50
092773	2.2	1.6	2.1	0.20	1.4	0.50
50 PERCENT	6.5	8.2	2.7	0.30	2.7	0.30
10 PERCENT	18.8	21.9	8.2	2.64	7.4	0.85

FLOATABLES MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	0.3	0.34	2.70	1.50	0.8	0.03
090473	0.3	0.01	0.35	0.01	0.3	1.84
090573	0.8	0.16	0.71	0.24	2.0	0.08
090673	3.7	0.26	0.84	1.30	2.6	3.99
090773	2.5	0.50	0.01	0.63	1.0	0.57
090873	0.1	0.31	0.77	0.24	5.8	0.40
090973	6.3	1.14	2.00	1.71	1.9	1.30
091073	1.1	0.29	25.28	0.26	2.0	0.37
091173	0.4	0.01	8.50	0.17	2.2	0.15
091273	0.3	0.20	0.10	0.30	0.3	0.70
091373	1.9	0.37	2.20	0.07	1.7	0.07
091473	1.3	3.50	4.60	1.10	6.5	0.60
091573	2.9	0.10	1.50	0.30	0.6	0.20
091673	1.2	0.40	1.90	1.20	0.5	0.50
091773	1.0	0.10	0.30	0.10	2.3	0.10
091873	2.0	0.60	2.70	0.70	2.0	0.50
091973	1.1	0.30	21.10	0.60	1.0	0.20
092073	3.0	0.10	0.60	0.10	4.3	0.20
092173	1.3	0.60	0.90	0.60	3.7	5.50
092273	7.6	1.50	4.90	1.10	6.5	0.60
092373	1.9	0.30	0.70	0.90	1.1	0.60
092473	5.6	0.50	4.40	0.10	0.5	0.20
092573	3.8	0.30	17.10	0.30	1.5	1.00
092673	0.2	0.30	1.50	0.30	0.4	0.80
092773	1.1	0.30	2.50	0.60	1.2	0.70
50 PERCENT	1.3	0.30	1.90	0.30	1.7	0.50
10 PERCENT	5.9	1.28	18.70	1.38	6.1	2.70

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373	3.6	0.1	0.1	0.1	0.1	0.1
090473	15.0	0.1	0.1	0.1	0.1	0.1
090573	5.8	0.1	0.1	0.1	0.1	0.1
090673	4.8	0.1	0.1	0.1	0.1	0.1
090773	7.7	0.3	0.1	0.1	0.1	0.1
090873	15.0	0.5	0.1	0.1	0.1	0.1
090973	32.0	1.8	0.1	0.1	0.1	0.1
091073	5.9	4.5	0.1	0.1	0.1	0.1
091173	1.6	2.0	0.1	0.1	0.1	0.1
091273	5.5	0.1	0.1	0.1	0.1	0.1
091373	26.0	0.1	0.1	0.1	0.1	0.1
091473	18.0	3.5	0.1	0.1	0.1	0.1
091573	6.4	3.0	0.1	0.1	0.1	0.1
091673	10.0	0.1	0.1	0.1	0.1	0.1
091773	18.0	0.3	0.1	0.1	0.1	0.1
091873	24.0	8.0	0.1	0.1	0.1	0.1
091973	15.0	7.5	0.1	0.1	0.1	0.1
092073	14.0	1.8	0.1	0.1	0.1	0.1
092173	4.9	3.0	0.1	0.1	0.1	0.1
092273	18.0	2.0	0.1	0.1	0.1	0.1
092373	7.1	2.0	0.1	0.1	0.1	0.1
092473	5.9	3.0	0.1	0.1	0.1	0.1
092573	15.0	0.2	0.1	0.1	0.1	0.1
092673	4.9		0.1	0.1	0.1	0.1
092773	9.0	3.5	0.1	0.1	0.1	0.1
50 PERCENT	9.0	1.8	0.1	0.1	0.1	0.1
10 PERCENT	24.8	6.0	0.1	0.1	0.1	0.1

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	0.1	0.1	0.1	0.1	0.1	0.1
090473	0.1	0.1	0.1	0.1	0.1	0.1
090573	0.1	0.1	0.1	0.1	0.1	0.1
090673	0.1	0.1	0.1	0.1	0.1	0.1
090773	0.1	0.1	0.1	0.1	0.1	0.1
090873	0.1	0.1	0.1	0.1	0.1	0.1
090973	0.1	0.1	0.1	0.1	0.1	0.1
091073	0.1	0.1	0.1	0.1	0.1	0.1
091173	0.1	0.1	0.1	0.1	0.1	0.1
091273	0.1	0.1	0.1	0.1	0.1	0.1
091373	0.1	0.1	0.1	0.1	0.1	0.1
091473	0.1	0.1	0.1	0.1	0.1	0.1
091573	0.3	0.1	0.1	0.1	1.5	0.1
091673	0.1	0.1	0.1	0.1	0.1	0.1
091773	0.1	0.1	0.1	0.1	0.1	0.1
091873	0.1	0.1	0.1	0.1	0.1	0.1
091973	0.1	0.1	0.1	0.1	0.1	0.1
092073	0.1	0.1	0.1	0.1	0.1	0.1
092173	0.1	0.1	0.1	0.1	0.1	0.1
092273	0.1	0.1	0.1	0.1	0.1	0.1
092373	0.1	0.1	0.1	0.1	0.1	0.1
092473	0.1	0.1	0.1	0.1	0.1	0.1
092573	0.1	0.1	0.1	0.1	0.1	0.1
092673	0.1	0.1	0.1	0.1	0.1	0.1
092773	0.1	0.1	0.1	0.1	0.1	0.1
50 PERCENT	0.1	0.1	0.1	0.1	0.1	0.1
10 PERCENT	0.1	0.1	0.1	0.1	0.1	0.1

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT
090373	114	73	4.0	1.3	18	1.6	1.5	1.2
090473	358	107	24.0	4.2	46	9.6	16.0	2.8
090573	172	167	44.0	3.1	44	5.7	20.0	3.0
090673	164	174	16.4	4.9	24	14.8	30.8	11.4
090773	266	179	21.5	2.0	33	4.4	25.0	8.8
090873	324	204	14.0	1.4	27	3.6	13.0	11.2
090973	480	125	29.5	1.2	23	3.7	24.8	5.6
091073	214	234	28.0	1.1	23	2.9	17.7	10.9
091173	182	234	17.0	2.3	19	6.0	31.3	49.5
091273	224	78	15.5	2.6	29	7.0	13.0	4.4
091373	578	135	8.4	6.2	27	6.4	43.0	5.4
091473	558	238	26.0	2.0	47	6.3	26.6	6.3
091573	238	240	37.0	20.0	61	6.0	25.0	6.0
091673	174	129	35.0	1.4	49	3.5	35.7	4.3
091773	522	126	33.0	0.8	35	4.8	30.0	2.9
091873	872	348	29.0	3.3	35	5.3	27.4	5.9
091973	524	247	41.0	3.8	29	4.4	39.0	5.8
092073	532	332	34.0	9.0	32	7.4	66.0	12.0
092173	314	160	20.0	0.1	22	0.4	7.0	6.0
092273	832	316	56.0	11.8	57	12.0	72.0	14.4
092373	522	166	40.0		22	1.2	58.0	10.8
092473	278	197	32.0	6.6	32	8.0	40.5	12.0
092573	732	126	5.5	0.2	16	6.9	35.0	18.5
092673	264		26.0	48.0	36	5.2	31.0	15.0
092773	706	140	24.0	0.8	45	1.5	33.5	7.0
50 PERCENT	324	171	26.0	2.4	31	5.3	30.0	6.3
10 PERCENT	772	324	42.2	15.9	52	10.6	61.2	16.4

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	SE H.P.O. - A.S. PROCESS 32 H.P.O. - A.S. MIXED LIQUOR	SE CONVENTIONAL A.S. PROCESS 44 CONVENTIONAL A.S RECYCLE SLUDGE	SE H.P.O. - A.S. PROCESS 50 H.P.O. - A.S. WASTE SLUDGE
090373	2.0	0.1	31.0	16.8	4,320	3,640	12,140	12,540
090473	3.8	2.2	11.2	14.0	3,800	3,680		
090573	7.2	4.3	46.0	10.2	4,000	3,870	12,700	11,860
090673	8.4	5.9	26.8	13.4	4,040	4,830	11,200	15,760
090773	4.6	4.0	36.8	8.4	3,700	7,460	14,020	15,600
090873	5.6	2.2	16.0	8.4	4,440	7,580	12,980	16,820
090973	5.6	5.8	32.8	8.6	7,860	7,060	14,140	17,480
091073	25.2	2.9	61.0	7.8	7,680	5,700	10,780	18,060
091173	8.3	2.8	6.0	7.8	5,760	5,240	13,100	18,600
091273	3.8	3.8	12.0	4.4	3,460	7,260	10,060	23,680
091373	9.6	6.6	48.5	10.6	7,400	5,220	11,520	19,620
091473	9.5	5.4	40.3	5.8	3,700	4,640	8,620	22,020
091573	10.0	8.0	40.0	6.0	4,440	5,260	9,020	22,100
091673	6.0	2.9	30.8	4.9	3,580	10,740	10,600	21,520
091773	4.2	0.4	54.8	4.1	6,240	11,420	9,900	23,000
091873	9.0	5.7	33.8	5.9	4,380	9,650	11,290	23,180
091973	9.6	7.0	45.0	24.0	3,060	5,020	9,320	23,140
092073	14.4	11.6	68.0	45.0	5,880	3,620	8,620	26,660
092173	3.6	1.3	13.6	7.0	4,820	6,280	10,800	23,640
092273	13.2	12.6	27.6	8.4	3,980	1,680	13,500	22,320
092373	11.2	10.2	3.2	10.0	3,200	5,400	14,480	19,060
092473	11.4	6.2	46.0	11.0	4,910	4,320	13,050	37,430
092573	11.2	7.4	68.0	12.2	4,180	3,320	10,780	22,280
092673	13.0	3.8	42.0	14.8	4,540	6,640	13,800	24,260
092773	13.5	3.6	38.5	9.6	5,080	5,280	15,320	23,860
50 PERCENT	9.0	4.3	36.8	8.6	4,380	5,260	11,405	22,060
10 PERCENT	13.9	10.8	63.8	19.7	7,512	10,086	14,310	25,460

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373			9.8	1.3	37	6.2
090473	83	83	5.5	18.0	26	5.9
090573	115	85	20.0	1.5	22	5.1
090673	84	87	7.0	0.8	16	6.0
090773	115	100	7.4	3.0	20	7.8
090873	100	110	7.5	2.1	18	7.5
090973	53	58	15.0	4.0	22	4.0
091073	125	105	12.0	1.1	24	3.9
091173	120	118	14.6	2.7	27	5.7
091273	90	48	10.0	2.0	23	5.3
091373	98	58	17.0	1.6	23	3.7
091473	185	120	15.0	1.0	25	5.4
091573	200	150	18.0	3.5	34	6.4
091673	73	63	11.5	1.2	29	5.5
091773	140	60	12.0	1.4	21	4.0
091873	170	150	9.1	0.6	13	2.6
091973	155	135	14.0	1.2	12	2.1
092073	160	65	15.0	1.1	17	1.9
092173	130	76	9.4	0.7	11	1.8
092273	130	61	9.4	1.2	11	1.8
092373	130	80	16.0	1.0	18	1.8
092473	100	110	8.1	0.6	15	1.7
092573	892	390	7.2	0.6	16	1.8
092673	99		6.6	0.6	19	1.6
092773	105	80	7.7	51.0	18	1.4
50 PERCENT	118	85	10.0	1.2	20	4.0
10 PERCENT	193	150	17.4	9.6	31	6.8

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	6.3	2.7	1.4	0.8	28.0	6.3
090473	17.0	1.5	4.9	1.5	11.8	6.0
090573	28.0	0.7	9.2	1.2	26.4	4.4
090673	20.0	1.8	9.8	1.5	8.8	7.0
090773	19.4	3.6	6.6	2.0	13.0	18.0
090873	34.0	4.3	14.1	1.8	17.5	9.4
090973	22.0	3.4	5.4	4.8	18.0	8.3
091073	19.1	4.9	15.0	1.5	30.0	9.8
091173	25.8	25.0	20.5	1.2	26.8	21.3
091273	21.2	3.1	13.0	13.0	18.6	42.0
091373	23.2	2.6	10.0	2.4	23.0	20.6
091473	20.4	2.3	6.0	2.2	25.0	31.0
091573	32.0	3.1	15.4	1.2	60.0	13.0
091673	19.0	1.2	8.7	2.3	16.0	4.1
091773	25.0	2.0	6.8	1.8	37.0	5.0
091873	18.9	1.7	12.9	1.7	24.7	16.0
091973	19.0	1.7	21.0	2.0	24.3	31.0
092073	18.0	2.1	13.1	1.5	14.0	25.1
092173	24.2	2.8	10.3	1.5	13.4	18.0
092273	18.0	3.3	3.9	3.2	14.0	16.9
092373	18.0	2.5	5.4	3.4	21.8	3.8
092473	27.0	2.3	7.9	2.8	22.0	3.4
092573	28.3	9.9	11.1	2.4	31.8	6.0
092673	18.2	3.4	10.6	2.3	28.9	4.7
092773	17.0	5.4	5.5	3.3	20.3	5.1
50 PERCENT	20.0	2.7	9.8	2.0	22.0	9.4
10 PERCENT	29.8	7.2	17.4	4.0	33.9	31.0

COLOR PLATINUM-COBALT UNITS

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373		45	60.0		70	20.0
090473	60	60	35.0	15.0	45	15.0
090573	70	70	60.0	5.0	60	10.0
090673	70	70	50.0	0.0	60	10.0
090773	70	70	50.0	15.0	70	10.0
090873	70	70	60.0	5.0	70	10.0
090973	30	40	5.0	5.0	15	5.0
091073	55	50	30.0	0.0	40	5.0
091173	75	70	70.0	10.0	60	15.0
091273	20	110	70.0	10.0	40	10.0
091373	60	50	40.0	10.0	45	15.0
091473	60	40	20.0	0.0	30	5.0
091573	20	35	25.0	2.0	30	18.0
091673	55	35	20.0	0.0	35	2.0
091773	80	40	15.0	0.0	25	0.0
091873	55	55	30.0	0.0	35	0.0
091973	50	70	30.0	0.0	30	0.0
092073	90	75	45.0	0.0	45	5.0
092173	55	50	25.0	0.0	20	0.0
092273	75	70	35.0	5.0	30	0.0
092373	50	40	20.0	0.0	15	0.0
092473	40	50	30.0	0.0	30	0.0
092573	40	35	20.0	0.0	15	5.0
092673	30	80	15.0	0.0	20	0.0
092773	40	40	20.0	0.0	25	2.0
50 PERCENT	55	50	30.0	0.0	35	5.0
10 PERCENT	78	77	64.0	12.5	70	16.2

COLOR PLATINUM-COBALT UNITS

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	70.0	20.0	20.0	10.0	60.0	70.0
090473	5.0	5.0	10.0	2.5	25.0	10.0
090573	30.0	5.0	20.0	5.0	50.0	5.0
090673	30.0	5.0	20.0	0.0	50.0	5.0
090773	30.0	10.0	25.0	10.0	60.0	10.0
090873	45.0	5.0	5.0	5.0	50.0	5.0
090973	5.0	0.0	5.0	5.0	30.0	5.0
091073	19.0	3.0	10.0	5.0	30.0	10.0
091173	35.0	45.0	15.0	15.0	5.0	10.0
091273	10.0	10.0	10.0	0.0	40.0	10.0
091373	45.0	5.0	10.0	5.0	15.0	10.0
091473	10.0	3.0	10.0	0.0	17.0	5.0
091573	18.0	10.0	0.0		10.0	2.0
091673	10.0	5.0	10.0	5.0	15.0	8.0
091773	15.0	0.0	5.0	0.0	15.0	0.0
091873	13.0	0.0	10.0	0.0	20.0	0.0
091973	15.0	0.0	10.0	0.0	30.0	25.0
092073	10.0	0.0	5.0	0.0	20.0	5.0
092173	10.0	0.0	5.0	0.0	20.0	0.0
092273	10.0	0.0	5.0	0.0	10.0	0.0
092373	5.0	0.0	0.0	0.0	5.0	0.0
092473	10.0	0.0	0.0	2.0	10.0	2.0
092573	15.0	10.0	5.0	0.0	10.0	0.0
092673	10.0	0.0	0.0	0.0	10.0	0.0
092773	10.0	5.0	5.0	0.0	15.0	5.0
50 PERCENT	13.0	5.0	10.0	0.0	20.0	5.0
10 PERCENT	45.0	14.0	20.0	10.0	54.0	16.0

TOTAL DISSOLVED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
091573	3,455	2,951	3,400	3,070	3,089	2,839
091973	2,815	2,557	2,502	2,295	3,404	2,394
092073	2,997	2,023	1,735	1,732	2,029	1,261
092573	13,684	5,237	3,445	3,052	4,005	4,221
092673	3,524	2,870	3,840	4,109	5,084	4,078
50 PERCENT	3,455	2,870	3,400	3,052	3,404	2,839
10 PERCENT	0	0	0	0	0	0

TOTAL DISSOLVED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091573	2,749	3,347	2,924	3,243	3,139	2,531
091973	2,814	2,756	2,538	2,518	2,399	3,127
092073	2,400	1,799	1,921	1,712	1,940	2,372
092573	3,338	5,938	3,003	2,494	2,485	6,012
092673	4,442	4,880	3,820	3,420	2,319	4,192
50 PERCENT	2,814	3,347	2,924	2,518	2,399	3,127
10 PERCENT	0	0	0	0	0	0

TOTAL SOLIDS MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PRCCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
091273			2,345		2,194	
091573	3,756	3,191	3,437	3,090	3,150	2,845
091973	3,034	2,804	2,543	2,299	3,433	2,398
092073	3,565	2,355	1,769	1,741	2,061	1,270
092573	13,811	5,363	3,450	3,052	4,021	4,228
092673	3,664	2,940	3,866	4,157	5,120	4,083
50 PERCENT	3,664	2,940	2,990	3,052	3,291	2,845
10 PERCENT	0	0	0	0	0	0

TOTAL SOLIDS MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
091273						
091573	2,774	3,353	2,934	3,251	3,179	2,537
091973	3,853	2,762	2,548	2,525	2,444	3,151
092073	2,466	1,811	1,935	1,724	2,008	2,417
092573	3,373	5,956	3,014	2,501	2,553	6,024
092673	4,473	4,895	3,833	3,424	2,361	4,207
50 PERCENT	3,373	3,353	2,934	2,525	2,444	3,151
10 PERCENT	0	0	0	0	0	0

TOTAL VOLATILE SOLIDS MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
090773			370		420	
090873			400		420	
090973			548			
091273			342		306	
091473					257	
091573	769	616	547	376	466	436
091973	788	518	407	399	1,350	397
092073	754	447	258	235	373	196
092573	6,863	891	438	374	747	933
092673	776	539	525	1,068	1,169	524
50 PERCENT	776	539	407	376	420	436
10 PERCENT	0	0	548	0	1,350	0

TOTAL VOLATILE SOLIDS MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090773						
090873						
090973						
091273						
091473						
091573	564	493	413	124	432	247
091973	594	498	506	156	346	1,046
092073	630	444	396	177	276	523
092573	726	1,186	254	97	446	1,052
092673	1,189	980	866	514	574	719
50 PERCENT	630	498	413	156	432	719
10 PERCENT	0	0	0	0	0	0

VOLATILE SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT
090373			1.0		1.0			
090573			42.0		43.0			
090673			16.4		23.5			
090773			21.0		28.0			
090873			14.0		26.5			
090973					3.0			
091073			27.5		22.0			
091173			15.0		17.0			
091273			13.5		27.0			
091373			8.4		26.8			
091473			26.0		47.0			
091573	219	208	37.0	19.5	52.0	5.5	25	6.0
091673			21.0		36.1			
091773			21.0		33.0			
091873			17.0		19.0			
091973	197	135	33.0	3.8	19.0	4.4	37	2.8
092073	328	140	32.0	9.0	30.0	2.4	66	7.0
092173			17.0		18.0			
092273			4.0		9.0			
092373			40.0		20.0			
092473			30.0		29.5			
092573	93	94	2.5	0.2	8.0	5.3	21	15.5
092673		67	25.0	47.0	36.0	4.8	29	15.0
092773			18.0		39.0			
50 PERCENT	208	135	21.0	9.0	26.6	4.8	29	7.0
10 PERCENT	0	0	38.8	0.0	45.0	0.0	0	0.0

VOLATILE SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS	SE CONVENTIONAL A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE CONVENTIONAL A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT	31 CONVENTIONAL A.S MIXED LIQUOR	32 H.P.O. - A.S. MIXED LIQUOR	44 CONVENTIONAL A.S RECYCLE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE
090373					3,340	2,920	9,060	9,420
090573					3,040	3,150	10,000	9,100
090673					3,280	3,870	8,540	11,820
090773					2,920	5,740	10,460	11,920
090873					3,560	5,535	9,880	12,920
090973					4,922	4,480	10,760	13,320
091073					6,620	4,400	8,200	14,120
091173					4,140	3,880	9,440	13,640
091273					3,120	6,020	8,120	17,840
091373					6,060	4,360	9,380	15,440
091473					3,380	4,060	7,080	17,140
091573	10.0	8.0	20		3,500	4,260	6,920	16,780
091673					2,640	8,320	8,000	16,520
091773					5,300	9,680	7,620	16,840
091873					3,160	6,720	8,220	17,440
091973	7.6	7.0	43	24.0	2,340	3,720	7,040	17,240
092073	4.4	11.6	42	9.0	4,660	2,760	6,520	20,440
092173					3,760	4,880	8,220	17,980
092273					2,740	4,000	10,000	16,460
092373					2,560	4,160	11,200	14,480
092473					3,740	3,160	10,310	20,960
092573	11.2	4.7	40	8.2	3,100	2,580	8,180	17,280
092673	12.0	2.7	42	14.3	3,680	5,380	11,080	19,000
092773					3,760	3,940	11,640	18,540
50 PERCENT	10.0	7.0	42	11.6	3,440	4,210	8,800	16,650
10 PERCENT	0.0	0.0	0	0.0	5,680	7,520	11,140	19,720

24 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
	1 COMBINED RAW SEWAGE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT
090373	60	100	100	100	100	34
091273	100	100	100	100	100	100
091573	100	100	100	100	100	100
091873	100	100	100	100	100	100
091973	100	100	100	100	100	100
092073	11	100	100	100	100	100
092173	100	100	100	100	100	100
092473	100	100	100	100	100	100
092573	100	100	100	100	100	100
092673	100	100	100	100	100	100
092773	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100

24 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	100	100	100	100	100
091273	100	100	100	100	100
091573	100	100	100	16	100
091873	100	100	100	50	100
091973	100	100	100	50	44
092073	100	100	100	100	100
092173	100	100	100	100	100
092473	100	100	100	100	100
092573	100	100	100	100	100
092673	100	100	100	100	70
092773	100	100	100	100	100
50 PERCENT	100	100	100	100	100
10 PERCENT	100	100	100	100	100

48 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
	1 COMBINED RAW SEWAGE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT
090373	41	100	100	100	100	34
091273	100	100	100	100	100	100
091573	100	100	100	100	100	100
091873	100	100	100	100	100	100
091973	100	100	100	100	100	100
092073	11	100	100	100	100	100
092173	100	100	100	100	100	82
092473	41	100	100	100	100	100
092573	100	100	100	100	100	100
092673	100	100	100	100	100	100
092773	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100

48 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	100	100	100	100	100
091273	100	100	100	100	100
091573	100	100	100	16	100
091873	100	100	100	50	100
091973	100	100	100	50	44
092073	100	100	100	100	100
092173	100	100	100	100	100
092473	100	100	100	100	100
092573	100	100	100	100	55
092673	100	100	100	100	70
092773	100	100	100	100	100
50 PERCENT	100	100	100	100	100
10 PERCENT	100	100	100	100	100

96 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
	1 COMBINED RAW SEWAGE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT
090373	35	100	100	100	71	34
091273	100	100	100	100	100	100
091573	100	100	100	100	100	100
091873	100	100	100	88	64	100
091973	100	100	100	100	100	100
092073	11	35	31	43	100	100
092173	78	100	100	100	100	76
092473	41	100	100	100	50	100
092573	100	100	100	100	100	100
092673	100	100	100	100	100	100
092773	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100

96 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	100	100	100	100.0	100
091273	100	100	100	100.0	100
091573	100	100	100	0.7	100
091873	100	100	100	46.0	100
091973	100	100	100	50.0	44
092073	100	100	100	100.0	100
092173	100	100	100	100.0	100
092473	100	100	100	100.0	50
092573	100	100	100	100.0	46
092673	100	100	100	100.0	70
092773	100	100	100	100.0	100
50 PERCENT	100	100	100	100.0	100
10 PERCENT	100	100	100	100.0	100

24 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
	1 COMBINED RAW SEWAGE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT
090373	0	100	100	100	100	0
091273	100	100	100	100	100	100
091573	70	100	100	100	100	100
091873	50	100	100	100	100	100
091973	100	100	100	100	100	100
092073	0	80	100	100	100	100
092173	100	100	100	100	100	30
092473	100	100	100	100	100	100
092573	100	100	100	100	100	100
092673	100	100	100	100	100	100
092773	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100

24 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	100	100	90	100	100
091273	100	100	100	100	100
091573	100	100	100	0	100
091873	100	100	100	0	90
091973	100	100	100	0	80
092073	100	100	100	100	80
092173	100	100	100	100	100
092473	100	100	100	100	100
092573	100	100	100	100	90
092673	100	100	100	100	0
092773	100	100	100	100	90
50 PERCENT	100	100	100	100	90
10 PERCENT	100	100	100	100	100

48 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
	1 COMBINED RAW SEWAGE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT
090373	0	100	100	70	50	0
091273	100	100	100	100	100	100
091573	70	100	100	100	90	100
091873	0	100	100	80	100	100
091973	100	100	100	100	100	100
092073	0	80	100	100	100	100
092173	100	100	100	100	100	30
092473	30	100	100	100	100	100
092573	100	100	100	100	100	100
092673	100	100	100	100	100	90
092773	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100

48 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	100	100	80	100	90
091273	100	100	100	100	100
091573	100	100	100	0	100
091873	100	100	100	0	90
091973	100	100	100	0	80
092073	100	100	100	100	0
092173	100	100	100	100	100
092473	100	100	100	100	100
092573	100	100	100	100	20
092673	100	100	100	100	0
092773	100	100	100	100	80
50 PERCENT	100	100	100	100	90
10 PERCENT	100	100	100	100	100

96 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
	1 COMBINED RAW SEWAGE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT
090373	0	100	100	60	0	0
091273	80	100	100	100	100	100
091573	70	100	100	100	80	100
091873	0	100	100	40	40	100
091973	100	90	100	100	100	90
092073	0	80	100	80	100	100
092173	40	90	100	100	100	20
092473	30	100	100	90	0	100
092573	100	100	100	100	90	100
092673	100	100	100	100	100	90
092773	100	100	100	100	100	100
50 PERCENT	70	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100

96 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	100	100	80	100	90
091273	100	100	100	100	100
091573	100	100	100	0	100
091873	100	100	100	0	90
091973	100	100	90	0	80
092073	100	100	100	100	
092173	100	100	100	100	80
092473	100	100	100	100	0
092573	100	100	100	100	0
092673	100	100	100	100	0
092773	100	100	100	100	80
50 PERCENT	100	100	100	100	80
10 PERCENT	100	100	100	100	100

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
	1 COMBINED RAW SEWAGE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT
090373	2.9	0.0	0	0.9	1.4	2.9
091273	0.8	0.0	0	0.0	0.0	0.0
091573	0.9	0.0	0	0.0	0.8	0.0
091873	1.2	0.0	0	1.0	1.0	0.0
091973	0.0	0.6	0	0.0	0.0	0.6
092073	9.1	2.9	0	0.8	0.0	0.0
092173	1.3	0.6	0	0.0	0.0	1.3
092473	2.4	0.0	0	0.0	2.0	0.0
092573	0.0	0.0	0	0.0	0.0	0.0
092673	0.0	0.0	0	0.0	0.0	0.0
092773	0.0	0.0	0	0.0	0.0	0.0
50 PERCENT	0.9	0.0	0	0.0	0.0	0.0
10 PERCENT	7.9	2.4	0	1.0	1.9	2.6

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	0	0	0.8	0.0	0.6
091273	0	0	0.0	0.0	0.0
091573	0	0	0.0	43.0	0.0
091873	0	0	0.0	1.2	0.6
091973	0	0	0.6	2.0	0.8
092073	0	0	0.0	0.0	
092173	0	0	0.0	0.0	0.8
092473	0	0	0.0	0.0	2.0
092573	0	0	0.0	0.0	2.2
092673	0	0	0.0	0.0	1.4
092773	0	0	0.0	0.0	0.8
50 PERCENT	0	0	0.0	0.0	0.8
10 PERCENT	0	0	0.7	14.8	2.2

LINDANE PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS
	1 COMBINED RAW SEWAGE
091573	1.74
091973	0.18
092073	1.41
092573	0.14
092673	0.01
50 PERCENT	0.18
10 PERCENT	0.00

HEPTACHLOR EPOXIDE PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.001
091973	0.001
092073	0.001
092573	0.001
092673	0.001
50 PERCENT	0.001
10 PERCENT	0.000

DDE PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.001
091973	0.569
092073	0.010
092573	0.004
092673	0.004
50 PERCENT	0.004
10 PERCENT	0.000

DDD PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.133
091973	0.162
092073	0.001
092573	0.093
092673	0.267
50 PERCENT	0.133
10 PERCENT	0.000

DDT PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.10
091973	0.25
092073	0.19
092573	0.02
092673	0.03
50 PERCENT	0.10
10 PERCENT	0.00

DIELDRIN PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.001
091973	0.125
092073	0.057
092573	0.026
092673	0.030
50 PERCENT	0.030
10 PERCENT	0.000

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373	1.7	2.0	0.09	0.49	0.33	0.082
090473	2.2	0.9	1.86	0.24	0.52	0.404
090573	0.6	0.9	0.21	0.09	0.48	0.153
090673	1.0	1.1	0.15	0.20	0.62	0.198
090773	1.5	1.2	0.21	0.12	0.65	0.265
090873	0.9	1.1	0.51	0.13	0.83	0.117
090973	0.8	0.7	0.41	0.13	0.90	0.164
091073	1.2	0.9	0.37	0.19	0.67	0.277
091173	0.9	0.8	0.31	0.03	0.73	0.066
091273	1.2	0.7	0.32	0.03	0.86	0.202
091373	5.0	1.0	0.43	0.21	0.75	0.133
091473	3.1	1.3	0.24	0.14	0.95	0.071
091573	2.3	1.1	0.36	0.06	0.60	0.059
091673	1.4	0.7	0.36	0.05	0.19	0.067
091773	1.3	0.5	0.54	0.10	0.28	0.125
091873	1.3	0.9	0.21	0.08	0.37	0.072
091973	2.2	2.1	0.19	0.10	0.18	0.169
092073	2.4	1.7	0.06	0.01	0.15	0.023
092173	1.3	0.3	0.39	0.06	0.09	0.063
092273	1.7	0.6	0.26	0.02	0.39	0.017
092373	1.8	0.5	0.30	0.04	0.05	0.009
092473	1.6	0.8	0.25	0.02	0.15	0.028
092573	0.5	0.2	0.17	0.02	0.06	0.039
092673	0.7	0.5	0.22	0.02	0.04	0.026
092773	0.5	0.3	0.37	0.01	0.47	0.030
50 PERCENT	1.3	0.9	0.30	0.08	0.47	0.072
10 PERCENT	2.7	1.8	0.52	0.22	0.87	0.270

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	0.45	0.071	0.09	0.155	0.14	0.140
090473	0.17	0.104	0.99	0.124	0.79	0.126
090573	0.26	0.017	0.08	0.010	0.18	0.019
090673	0.21	0.055	0.79	0.106	0.24	0.134
090773	0.47	0.124	1.09	0.129	0.14	0.014
090873	0.08	0.109	0.26	0.114	0.18	0.007
090973	0.05	0.004	1.22	0.057	0.22	0.017
091073	0.23	0.024	0.16	0.143	0.39	0.033
091173	0.16	0.037	0.43	0.012	0.33	0.013
091273	0.16	0.022	0.12	0.037	0.50	0.016
091373	0.07	0.026	0.10	0.078	0.02	0.019
091473	0.07	0.057	0.04	0.020	0.04	0.025
091573	0.28	0.019	0.30	0.023	0.18	0.026
091673	0.18	0.083	0.12	0.053	0.11	0.013
091773	0.09	0.030	0.39	0.013	0.15	0.006
091873	0.63	0.064	0.19	0.067	0.35	0.006
091973	0.31	0.016	0.14	0.095	0.37	0.037
092073	0.25	0.073	0.10	0.014	0.17	0.017
092173	0.09	0.040	0.06	0.025	0.11	0.019
092273	0.27	0.028	0.17	0.017	0.11	0.041
092373	0.06	0.028	0.13	0.027	0.14	0.092
092473	0.13	0.005	0.38	0.012	0.11	0.107
092573	0.09	0.005	0.08	0.007	0.05	0.013
092673	0.05	0.016	0.04	0.079	0.02	0.005
092773	0.12	0.003	0.08	0.023	0.04	0.013
50 PERCENT	0.16	0.028	0.14	0.037	0.15	0.019
10 PERCENT	0.46	0.106	1.03	0.135	0.43	0.129

ALDRIN PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.001
091973	0.159
092073	0.001
092573	0.001
092673	0.001
50 PERCENT	0.001
10 PERCENT	0.000

CHLORDANE PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.001
091973	0.001
092073	0.131
092573	0.012
092673	0.006
50 PERCENT	0.006
10 PERCENT	0.000

ENDRIN PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.001
091973	0.001
092073	0.001
092573	0.015
092673	0.018
50 PERCENT	0.001
10 PERCENT	0.000

HEPTACHLOR PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.001
091973	0.001
092073	0.001
092573	0.001
092673	0.030
50 PERCENT	0.001
10 PERCENT	0.000

METHOXYCHLOR PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.067
091973	0.222
092073	0.001
092573	0.028
092673	0.074
50 PERCENT	0.067
10 PERCENT	0.000

TOXAPHENE PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.001
091973	0.001
092073	0.001
092573	0.001
092673	0.007
50 PERCENT	0.001
10 PERCENT	0.000

(MALATHION) + PARATHION PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	1.9
091973	0.3
092073	0.6
092573	0.3
092673	0.3
50 PERCENT	0.3
10 PERCENT	0.0

CARBAMATES (SILVEX) PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.10
091973	0.23
092073	0.15
092573	0.08
092673	0.12
50 PERCENT	0.12
10 PERCENT	0.00

2-4-D PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
091573	0.2
091973	0.6
092073	0.6
092573	0.2
092673	0.4
50 PERCENT	0.4
10 PERCENT	0.0

POLYCHLORINATED BIPHENYLS PPB

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT
090373	1.5	0.93	0.05	0.450	0.270	0.046
090473	2.1	0.79	1.70	0.210	0.114	0.350
090573	0.4	0.27	0.13	0.077	0.253	0.139
090673	0.5	0.56	0.06	0.186	0.232	0.040
090773	0.2	0.14	0.05	0.035	0.056	0.057
090873	0.4	0.15	0.14	0.035	0.260	0.064
090973	0.1	0.41	0.10	0.042	0.213	0.069
091073	0.2	0.35	0.12	0.080	0.076	0.070
091173	0.2	0.19	0.10	0.017	0.181	0.037
091273	0.2	0.18	0.05	0.024	0.154	0.071
091373	0.5	0.18	0.04	0.031	0.111	0.051
091473	0.9	0.16	0.02	0.028	0.071	0.051
091573	0.3	0.29	0.18	0.034	0.106	0.031
091673	0.4	0.29	0.03	0.013	0.096	0.009
091773	0.3	0.15	0.13	0.053	0.048	0.029
091873	0.3	0.17	0.03	0.049	0.038	0.042
091973	0.5	0.17	0.06	0.014	0.030	0.023
092073	0.6	0.43	0.03	0.004	0.113	0.007
092173	0.7	0.13	0.11	0.014	0.005	0.010
092273	0.4	0.20	0.05	0.005	0.080	0.004
092373	0.7	0.15	0.05	0.010	0.017	0.004
092473	0.4	0.18	0.06	0.007	0.043	0.004
092573	0.1	0.04	0.02	0.003	0.019	0.009
092673	0.2	0.12	0.06	0.004	0.008	0.007
092773	0.2	0.10	0.05	0.003	0.045	0.014
50 PERCENT	0.4	0.18	0.06	0.028	0.080	0.037
10 PERCENT	1.2	0.65	0.16	0.196	0.256	0.098

POLYCHLORINATED BIPHENYLS PPB

24 HOUR COMPOSITE

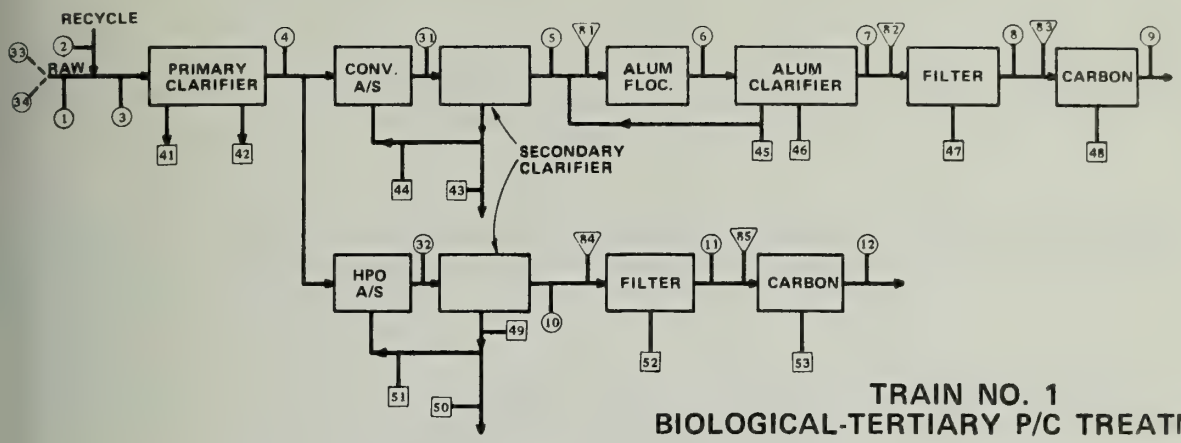
DATE	SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	0.17	0.032	0.028	0.150	0.099	0.110
090473	0.02	0.093	0.688	0.029	0.688	0.200
090573	0.12	0.010	0.050	0.005	0.058	0.006
090673	0.06	0.049	0.024	0.034	0.099	0.053
090773	0.04	0.123	0.166	0.049	0.034	0.008
090873	0.06	0.020	0.032	0.021	0.139	0.001
090973	0.05	0.003	0.005	0.047	0.042	0.012
091073	0.03	0.022	0.028	0.124	0.156	0.030
091173	0.11	0.031	0.002	0.003	0.116	0.007
091273	0.08	0.008	0.056	0.029	0.087	0.010
091373	0.01	0.009	0.014	0.006	0.019	0.008
091473	0.03	0.028	0.016	0.009	0.038	0.021
091573	0.14	0.007	0.055	0.018	0.142	0.004
091673	0.08	0.008	0.021	0.005	0.057	0.006
091773	0.07	0.008	0.179	0.006	0.127	0.001
091873	0.05	0.020	0.070	0.041	0.042	0.003
091973	0.04	0.008	0.030	0.023	0.059	0.019
092073	0.03	0.016	0.034	0.003	0.062	0.011
092173	0.03	0.014	0.020	0.007	0.055	0.006
092273	0.06	0.006	0.017	0.004	0.026	0.008
092373	0.02	0.009	0.029	0.008	0.046	0.019
092473	0.04	0.002	0.064	0.003	0.034	0.027
092573	0.02	0.001	0.016	0.002	0.006	0.003
092673	0.01	0.004	0.011	0.018	0.006	0.002
092773	0.04	0.001	0.028	0.004	0.014	0.004
50 PERCENT	0.04	0.009	0.028	0.009	0.057	0.008
10 PERCENT	0.13	0.067	0.171	0.079	0.148	0.076

APPENDIX J

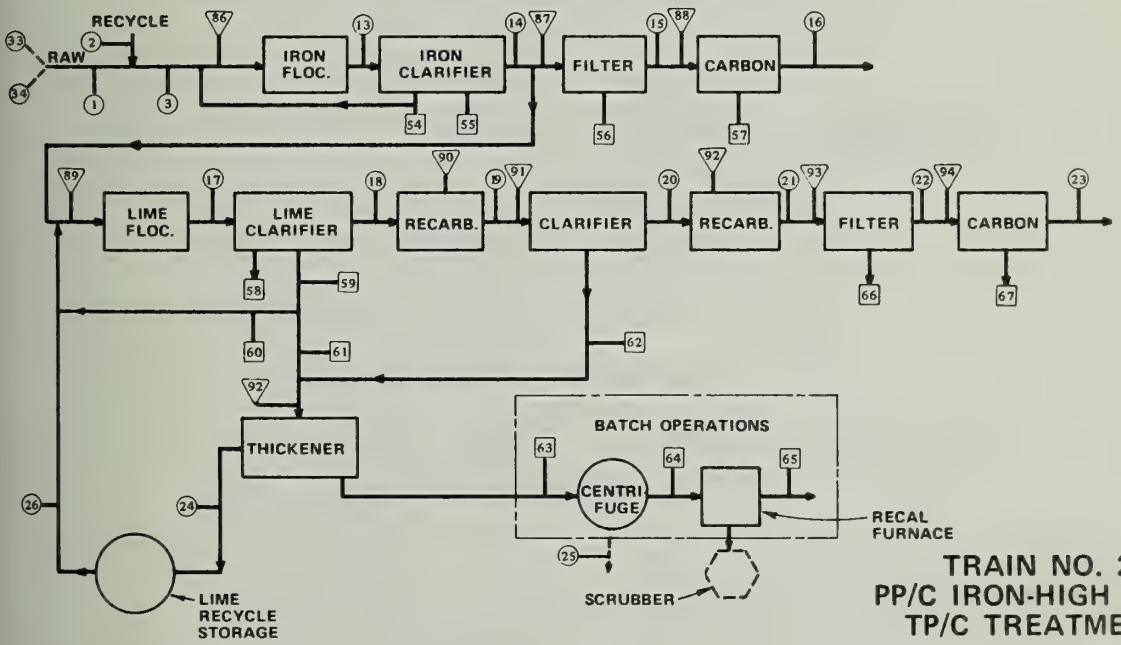
SOUTHEAST TEST DATA

SLUDGE DATA

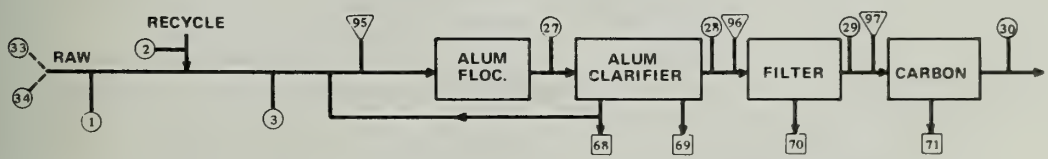
	Page
Aluminum	1
Arsenic	2
Boron	3
Cadmium	4
Total Chromium	5
Copper	6
Cyanide	7
Total Iron	8
Lead	9
Magnesium	10
Manganese	11
Mercury	12
Molybdenum	13
Nickel	14
Selenium	15
Silver	16
Zinc	17
Hexavalent Chromium	18
Ferrous Iron	19
Gross Alpha	20
Total Chlorinated Hydrocarbons	21
Polychlorinated Biphenyls	22
Sludge Volume Index	23
Sludge Thickening Test	24



TRAIN NO. 1
BIOLOGICAL-TERTIARY P/C TREATMENT



TRAIN NO. 2
PP/C IRON-HIGH LIME
TP/C TREATMENT



TRAIN NO. 3
TERTIARY PHYSICAL/CHEMICAL TREATMENT

NOTES:

① TO ㉞ LIQUID STREAM DATA POINTS

㊶ TO ㉑ SOLID OR WASTE DATA POINTS

▽ TO ▽ CHEMICAL ADDITION POINTS

– – – – INDICATES NP + SE

㉝ SE RAW

㉞ NP RAW

SOUTHEAST PILOT PLANT
PROCESS TRAINS AND DATA COLLECTION POINTS

KEY

DATA REVIEW (RVEW) AND CORRELATION COEFFICIENT (CORL) OUTPUT

SE — Phase of Pilot Plant Study during which waste treatment alternatives were investigated for Southeast sewage.

NP+ SE — Phase of Pilot Plant during which waste treatment alternatives were investigated for North Point (75%) plus Southeast (25%) combined sewage.

Date — Date of Sample collection

Non-Specific Process - Sample stations not associated with a particular treatment process. Normally raw sewage or preliminary treated effluent.

A.S. — Activated Sludge Process

H.P.O. — High Purity Oxygen Process

50 Percent - Median value of data set

10 Percent - Value at which 10 percent of the ordered data values are larger and 90 percent of the data values are smaller.

Range (R) - Constituent range of middle 80% of data. Used in calculation of the coefficient of reliability.

Displacement (d) - Constituent displacement from 10 percentile number and given standard.

Standard(s) - Regulatory Standard to which data is compared.

Coefficient of Reliability (Cr) - Arbitrary index to measure efficiency of removal for given constituent and treatment process. Computed from $CR = \frac{1}{R} \times d$. Has range of $-\infty$ to $+\infty$. Negative values indicate noncompliance with standard.

ALUMINUM MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	3,000,000	45,000	110,000	7,300	7,600	25,000	92,000
091873	3,200	1,600	36,000	11,000	16,000	12,000	67,000
092573	100,000	120,000	230,000	8,000	22,000	43,000	24,000
50 PERCENT	99,999	45,000	110,000	8,000	16,000	25,000	67,000
10 PERCENT	0	0	0	0	0	0	0

ARSENIC MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273							10.0
091873	1.0	1.0	1.0	1.0	1.0	1.0	1.0
092573	4.0	11.0	24.0	5.0	6.0	4.0	7.0
50 PERCENT	2.5	6.0	12.5	3.0	3.5	2.5	7.0
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BORON MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091873	1,070	800	600	220	850	1,150	570
092573	300	850	300	560	630	1,980	1,100
50 PERCENT	685	825	450	390	740	1,565	835
10 PERCENT	0	0	0	0	0	0	0

CADMIUM MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	330	40.0	1.8	60.0	6.0	6.6	16
091873	14	20.0	2.1	40.0	9.0	12.0	26
092573	22	4.0	6.0	4.0	2.0	16.0	11
50 PERCENT	22	20.0	2.1	60.0	6.0	12.0	16
10 PERCENT	0	0.0	0.0	0.0	0.0	0.0	0

TOTAL CHROMIUM MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	108,000	3,400	2,200	7,000	960	600	4,000
091873	51,000	5,400	110	55,000	6,400	380	1,300
092573	44,000	68,000	3,600	22,000	5,400	3,600	3,200
50 PERCENT	51,000	5,400	2,200	22,000	5,400	600	3,200
10 PERCENT	0	0	0	0	0	0	0

COPPER MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	14,000	5,400	54	6,600	760	280	440
091873	320	4,100	28	8,600	950	150	1,200
092573	3,300	7,000	170	3,700	2,600	300	400
50 PERCENT	3,300	5,400	54	6,600	950	280	440
10 PERCENT	0	0	0	0	0	0	0

CYANIDE MG/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	0.50	0.50	0.01	0.02	0.75	1.00	0.02
091873	0.01	0.03	0.01	0.04	0.03	0.04	0.04
092573	0.16	0.11	0.02	0.14	0.17	0.50	0.05
50 PERCENT	0.16	0.11	0.01	0.04	0.17	0.50	0.04
10 PERCENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL IRON MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	304,000	15,000	4,000	900	240,000	76,000	35,000
091873	200	920	43,000	2,800	47,000	28,000	20,000
092573	80,000	36,000	9,400	4,000	120,000	92,000	2,650
50 PERCENT	80,000	15,000	9,400	2,800	120,000	76,000	20,000
10 PERCENT	0	0	0	0	0	0	0

LEAD MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	9,300	2,100	190	4,500	700	300	600
091873	85	220	28	1,300	420	250	1,200
092573	2,600	2,200	230	300	2,900	670	260
50 PERCENT	2,600	2,100	190	1,300	700	300	600
10 PERCENT	0	0	0	0	0	0	0

MAGNESIUM MG/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273						4,700	160
091873	320	160	140	220	160	720	160
092573	736	1,720	888	1,872	1,776	4,088	170
50 PERCENT	528	940	514	1,046	968	4,088	160
10 PERCENT	0	0	0	0	0	0	0

MANGANESE MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	2,200	640	65	1,800	860	6,400	440
091873	24	240	170	200	1,600	2,000	1,300
092573	1,060	1,920	124	440	168	11,940	190
50 PERCENT	1,060	640	124	440	860	6,400	440
10 PERCENT	0	0	0	0	0	0	0

MERCURY MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273							4000.0
091873	91	25	1.1	33	8.9	1.4	10.0
092573	128	88	2.5	117	6.5	2.1	1.4
50 PERCENT	109	56	1.8	75	7.7	1.7	10.0
10 PERCENT	0	0	0.0	0	0.0	0.0	0.0

MOLYBDENUM MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273							5.0
091873	5.0	11	5.0	0.0	5.0	5.0	5.0
092573	41.0	63	9.0	5.0	5.0	23.0	5.0
50 PERCENT	23.0	37	7.0	7.5	5.0	14.0	5.0
10 PERCENT	0.0	0	0.0	0.0	0.0	0.0	0.0

NICKEL MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	3,800	2,100	36	640	250	1,200	170
091873	298	2,450	39	2,930	287	608	338
092573	1,400	2,400	200	1,600	480	2,400	140
50 PERCENT	1,400	2,400	39	1,600	287	1,200	170
10 PERCENT	0	0	0	0	0	0	0

SELENIUM MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091873	1.0	1.0	9.0	1.0	1.0	1.0	1.0
092573	1.0	1.0	1.0	1.0	1.0	1.0	1.0
50 PERCENT	1.0	1.0	5.0	1.0	1.0	1.0	1.0
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SILVER MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	1,100	420	9.5	520	58	25	40
091873	36	140	9.0	65	96	30	120
092573	274	468	27.0	254	216	50	15
50 PERCENT	274	420	9.5	254	96	30	40
10 PERCENT	0	0	0.0	0	0	0	0

ZINC MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	96.000	38.000	400	30.000	2.720	4.160	2.960
091873	3.500	60.000	1.500	75.000	5.800	3.000	14.000
092573	16.960	56.400	3.040	30.400	12.960	11.840	1.460
50 PERCENT	16.960	56.400	1.500	30.400	5.800	4.160	2.960
10 PERCENT	0	0	0	0	0	0	0

HEXAVALENT CHROMIUM MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273							1.0
091873	5.0	5.0	5.0	5.0	5800.0	5.0	5.0
092573	5.0	5.0	5.0	5.0	5.0	5.0	5.0
50 PERCENT	5.0	5.0	5.0	5.0	2902.5	5.0	5.0
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FERROUS IRON MICRO-G/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273							39
091873	20	26	20	23	26	20	26
092573	50	50	20	52	50	34	30
50 PERCENT	35	38	20	37	38	27	30
10 PERCENT	0	0	0	0	0	0	0

GROSS ALPHA PC/L

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	5.0	6.0	2.0	4.0	6.0	4.0	5.0
091873	8.0	6.0	6.0	6.0	6.0	4.0	6.0
092573	7.0	6.0	6.0	9.0	9.0	6.0	6.0
50 PERCENT	7.0	6.0	6.0	6.0	6.0	4.0	6.0
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL CHLORINATED HYDROCARBONS PPB

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	350	7.2	3.0	9.7	3.6	1.2	1.3
091873	603	92.1	3.2	94.9	19.4	1.4	8.2
092573	34	5.9	2.3	5.9	5.8	1.7	0.6
50 PERCENT	350	7.2	3.0	9.7	5.8	1.4	1.3
10 PERCENT	0	0.0	0.0	0.0	0.0	0.0	0.0

POLYCHLORINATED BIPHENYLS PPB

7 DAY COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
091273	19	0.3	0.4	4.7	0.4	0.3	0.3
091873	12	8.6	0.2	16.3	0.3	0.1	0.3
092573	12	2.0	0.6	2.2	1.9	0.6	0.2
50 PERCENT	12	2.0	0.4	4.7	0.4	0.3	0.3
10 PERCENT	0	0.0	0.0	0.0	0.0	0.0	0.0

SLUDGE VOLUME INDEX VOL ML/1 GRAM

24 HOUR COMPOSITE

DATE	SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	SE H.P.O. - A.S. PROCESS 32 H.P.O. - A.S. MIXED LIQUOR
090373	141	82
090473	111	49
090573	208	56
090673	205	45
090773	145	31
090873	209	29
090973	109	35
091073	75	35
091173	125	44
091273	113	40
091373	53	56
091473	135	54
091673		21
091773	61	22
091873	71	26
091973	147	44
092073	48	75
092173	54	46
092273	75	41
092373	91	57
092473	47	60
092573	77	87
092673	81	35
092773	89	49
50 PERCENT	91	45
10 PERCENT	207	79

SLUDGE THICKENING TEST ML/L/HOUR

24 HOUR COMPOSITE

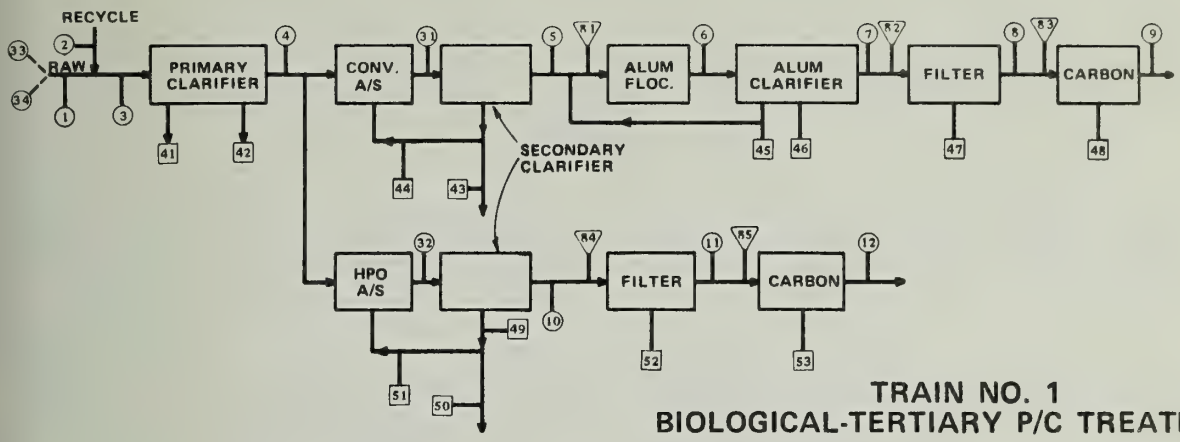
DATE	SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	SE H.P.O. - A.S. PROCESS 32 H.P.O. - A.S. MIXED LIQUOR
090373	610	300
090473	420	180
090573	830	215
090673	830	215
090773	540	230
090873	930	220
090973	860	250
091073	580	200
091173	720	230
091273	390	290
091373	390	290
091473	500	250
091673		230
091773	380	250
091873	310	255
091973	450	220
092073	280	270
092173	260	290
092273	300	230
092373	290	310
092473	230	260
092573	320	290
092673	370	230
092773	450	260
50 PERCENT	420	250
10 PERCENT	848	295

APPENDIX J

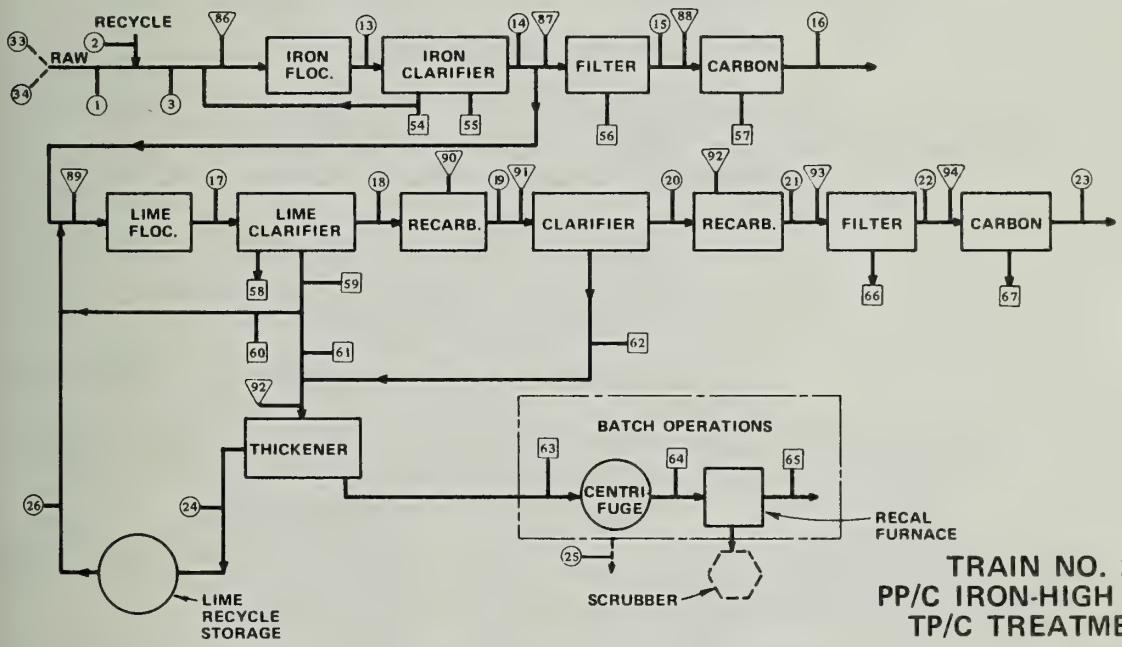
SOUTHEAST TEST DATA

OPERATIONAL DATA

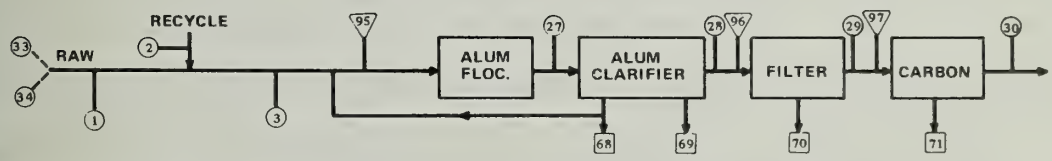
	Page
Process Flow	1
High Line Dosage	7
Low Line Dosage	8
Ferric Chloride Dosage	9
High Alum Dosage	10
Anionic Polymer Dosage	11
Sodium Nitrate Dosage	12
Average Turbidity	13
Maximum Turbidity	15
Minimum Turbidity	17
Average Dissolved Oxygen	19
Maximum Dissolved Oxygen	20
Minimum Dissolved Oxygen	21
Median Daily pH	22
Maximum Daily pH	25
Minimum Daily pH	28
Number of Process Runs	31
Process Run Length	35
Average Process Run Rate	41
Total Process Flow	46
Final Head Loss	52
Total Process Backwash	58
Average Turbidity Filter Effluent.	64



TRAIN NO. 1
BIOLOGICAL-TERTIARY P/C TREATMENT



TRAIN NO. 2
PP/C IRON-HIGH LIME
TP/C TREATMENT



TRAIN NO. 3
TERTIARY PHYSICAL/CHEMICAL TREATMENT

NOTES:

- ① TO ㉞ LIQUID STREAM DATA POINTS
- 41 TO 71 SOLID OR WASTE DATA POINTS
- ▽81 TO ▽97 CHEMICAL ADDITION POINTS
- ---- INDICATES NP + SE
- ㉝ SE RAW
- ㉞ NP RAW

SOUTHEAST PILOT PLANT
PROCESS TRAINS AND DATA COLLECTION POINTS

KEY

DATA REVIEW (RVEW) AND CORRELATION COEFFICIENT (CORL) OUTPUT

SE — Phase of Pilot Plant Study during which waste treatment alternatives were investigated for Southeast sewage.

NP+
SE — Phase of Pilot Plant during which waste treatment alternatives were investigated for North Point (75%) plus Southeast (25%) combined sewage.

Date — Date of Sample collection

Non-Specific Process - Sample stations not associated with a particular treatment process. Normally raw sewage or preliminary treated effluent.

A.S. — Activated Sludge Process

H.P.O. — High Purity Oxygen Process

50 Percent - Median value of data set

10 Percent - Value at which 10 percent of the ordered data values are larger and 90 percent of the data values are smaller.

Range (R) - Constituent range of middle 80% of data. Used in calculation of the coefficient of reliability.

Displacement (d) - Constituent displacement from 10 percentile number and given standard.

Standard(s) - Regulatory Standard to which data is compared.

Coefficient of Reliability (Cr) - Arbitrary index to measure efficiency of removal for given constituent and treatment process. Computed from $CR = \frac{1}{R} \times d$. Has range of $-\infty$ to $+\infty$. Negative values indicate noncompliance with standard.

PROCESS FLOW (GPM)

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	7 CHEMICAL CLARIFIER EFFLUENT	8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT
090373	102	46	14	9.0	0.7	0.4	14
090473	104	46	14	9.0	0.7	0.4	14
090573	104	46	13	9.0	0.6	0.4	14
090673	104	14	14	9.0	0.6	0.4	14
090773	104	46	14	9.0	0.6	0.4	14
090873	104	46	14	9.0	0.6	0.4	14
090973	104	46	14	12.6	0.6	0.4	14
091073	108	44	14	9.0	0.6	0.5	14
091173	122	54	12	9.0	0.6	0.4	14
091273	117	51	14	9.3	0.6	0.4	14
091373	114	46	14	9.6	0.6	0.4	14
091473	114	46	13	7.5	0.6	0.4	14
091573	114	46	13	8.4	0.6	0.4	14
091673	114	46	13	8.5	0.6	0.4	14
091773	114	46	13	8.0	0.6	0.4	14
091873	114	46	13	9.3	0.6	0.4	14
091973	114	46	16	8.5	0.7	0.4	14
092073	114	46	14	7.8	0.6	0.4	14
092173	114	46	14	9.2	0.7	0.4	14
092273	114	46	13	7.8	0.6	0.4	14
092373	114	46	14	7.7	0.6	0.4	14
092473	114	46	14	8.0	0.6	0.4	14
092573	114	46	13	8.0	0.6	0.4	14
092673	114	46	14	6.0	0.6	0.4	14
092773	114	46	13	7.8	0.6	0.4	14
50 PERCENT	114	46	14	9.0	0.6	0.4	14
10 PERCENT	115	48	14	9.4	0.7	0.4	14

PROCESS FLOW (GPM)

24 HOUR COMPOSITE

DATE	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS
	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	13 CHEMICAL FLOCULATOR EFFLUENT	15 FILTER EFFLUENT	16 CARBON COLUMN EFFLUENT	17 LIME FLOCULATOR EFFLUENT	19 FIRST STAGE LIME RECARB EFFLUENT
090373	0.7	0.4	46	0.7	0.4	14	8.0
090473	0.6	0.4	46	0.5	0.4	14	8.0
090573	0.6	0.4	46	0.6	0.4	14	8.0
090673	0.6	0.4	46	0.6	0.4	14	8.0
090773	0.6	0.4	46	0.6	0.4	14	8.0
090873	0.6	0.5	46	0.7	0.4	14	8.0
090973	0.6	0.4	46	0.7	0.4	14	8.0
091073	0.6	0.4	48	0.7	0.4	13	8.0
091173	0.6	0.4	54	0.8	0.4	14	8.0
091273	0.5	0.4	51	0.6	0.4	14	8.0
091373	0.6	0.4	54	0.6	0.4	12	8.0
091473	0.6	0.4	54	0.6	0.4	14	8.0
091573	0.4	0.4	54	0.6	0.4	14	10.3
091673	0.6	0.4	54	0.6	0.4	14	8.0
091773	0.6	0.4	54	0.7	0.4	14	8.0
091873	0.6	0.4	54	0.7	0.4	14	8.0
091973	0.6	0.4	54	0.7	0.4	14	9.0
092073	0.6	0.4	54	0.7	0.4	14	8.1
092173	0.6	0.4	54	0.7	0.4	14	8.2
092273	0.6	0.4	54	0.6	0.4	14	8.0
092373	0.6	0.4	54	0.7	0.4	14	8.0
092473	0.6	0.4	54	0.6	0.4	14	8.0
092573	0.6	0.4	54	0.7	0.4	14	8.0
092673	0.6	0.4	54	0.7	0.4	14	8.0
092773	0.6	0.4	54	0.7	0.4	14	7.9
50 PERCENT	0.6	0.4	54	0.7	0.4	14	8.0
10 PERCENT	0.6	0.4	54	0.7	0.4	14	8.5

PROCESS FLOW (GPM)

24 HOUR COMPOSITE

DATE	SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 27 CHEMICAL FLOCCULATOR EFFLUENT	SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	SE CONVENTIONAL A.S. PROCESS 44 CONVENTIONAL A.S RECYCLE SLUDGE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 46 CHEMICAL CLARIFIER WASTE SLUDGE
090373	0.7	0.5	12	0.7	0.4	7.0	1.0
090473	0.6	0.4	12	0.6	0.5	7.8	1.3
090573	0.6	0.4	12	0.6	0.4	6.6	1.5
090673	0.6	0.4	12	0.6	0.4	7.0	1.5
090773	0.6	0.4	12	0.6	0.4	7.0	1.5
090873	0.6	0.4	12	0.6	0.4	7.0	1.5
090973	0.6	0.4	12	0.6	0.4	7.0	1.4
091073	0.6	0.4	13	0.6	0.4	7.0	1.3
091173	0.6	0.4	14	0.6	0.4	6.2	1.6
091273	0.6	0.4	14	0.6	0.3	7.0	1.7
091373	0.6	0.4	14	0.4	0.4	7.0	1.9
091473	0.6	0.4	14	0.6	0.4	6.6	1.8
091573	0.6	0.4	14	0.6	0.4	6.7	1.8
091673	0.7	0.4	14	0.6	0.4	6.6	1.6
091773	0.7	0.4	14	0.6	0.4	6.6	1.4
091873	0.8	0.4	14	0.6	0.4	5.4	1.4
091973	0.6	0.4	14	0.6	0.4	9.9	1.2
092073	0.6	0.4	14	0.7	0.4	6.9	1.1
092173	0.6	0.4	14	0.7	0.4	6.8	1.2
092273	0.6	0.4	14	0.6	0.4	6.7	1.2
092373	0.6	0.4	14	0.6	0.4	7.0	1.2
092473	0.7	0.4	14	0.6	0.4	6.6	1.1
092573	0.6	0.4	14	0.6	0.4	7.0	1.3
092673	0.6	0.4	14	0.6	0.4	7.0	1.3
092773	0.6	0.4	14	0.6	0.4	6.6	1.2
50 PERCENT	0.6	0.4	14	0.6	0.4	7.0	1.4
10 PERCENT	0.7	0.4	14	0.7	0.4	7.3	1.8

PROCESS FLOW (GPM)

24 HOUR COMPOSITE

DATE	SE H.P.O. - A.S. PROCESS 49 TOTAL H.P.O. - A.S. SLUDGE	SE H.P.O. - A.S. PROCESS 51 H.P.O. - A.S. RECYCLE SLUDGE	SE FERRIC PROCESS 54 CHEMICAL CLARIFIER SLUDGE RECYCLE	SE FERRIC PLUS LIME PROCESS 59 TOTAL LIME CLARIFIER SLUDGE	SE FERRIC PLUS LIME PROCESS 61 LIME CLARIFIER WASTE SLUDGE	SE FERRIC PLUS LIME PROCESS 62 LIME RECARB SLUDGE	SE HIGH ALUM PROCESS 68 CHEMICAL CLARIFIER RECYCLE SLUDGE
090373	7.0	7.0	4.5	3.0	3.0	0.5	1.0
090473	4.7	4.7	5.5	3.0	3.0	0.5	
090573	4.0	3.8	6.2	3.0	3.0	0.5	1.2
090673	4.5	3.4	6.3	3.0	3.0	0.5	2.5
090773	4.0	4.0	5.9	3.0	3.0	0.5	3.5
090873	4.0	4.0	6.3	3.0	3.0	0.5	1.3
090973	3.7	3.7	6.3	3.0	3.0	0.5	1.8
091073	3.4	3.4	8.0	3.0	3.0	0.5	2.2
091173	3.4	3.4	7.6	3.0	3.0	0.5	2.7
091273	3.3	3.3	8.9	3.0	3.0	0.5	3.7
091373	4.4	4.4	8.5	3.0	3.0	0.5	4.4
091473	2.4	2.4	8.5	3.0	3.0	0.5	4.8
091573	4.0	4.0	7.0	4.0	4.0	0.4	3.3
091673	4.0	4.0	7.4	4.0	4.0	0.5	3.8
091773	4.1	4.1	6.9	4.0	4.0	0.5	3.2
091873	4.0	4.0	5.0	3.0	3.0	0.5	3.5
091973	4.0	4.0	7.8	3.0	3.0	0.5	3.3
092073	4.0	4.0	7.3	3.0	3.0	0.5	3.8
092173	4.1	4.1	7.0	3.0	3.0	0.5	3.2
092273	4.0	4.0	7.3	3.0	3.0	0.6	3.4
092373	4.1	4.1	5.3	3.8	3.8	0.6	3.3
092473	4.0	4.0	4.5	3.6	3.6	0.6	3.5
092573	4.0	4.0	5.1	4.3	4.3	0.5	3.6
092673	4.0	4.0	6.0	4.5	4.5	0.5	3.6
092773	3.1	3.1	5.5	1.9	1.9	0.5	3.8
50 PERCENT	4.0	4.0	6.3	3.0	3.0	0.5	3.3
10 PERCENT	4.6	4.5	8.5	4.1	4.1	0.6	4.1

PROCESS FLOW (GAL)

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	42 PRIMARY CLARIFIER SLUDGE	43 CONVENTIONAL A.S WASTE SLUDGE	47 FILTER BACKWASH	48 CARBON BACKWASH	50 H.P.O. - A.S. WASTE SLUDGE	52 FILTER BACKWASH	53 CARBON BACKWASH
090373	300		18		32.0		
090473	300		27				
090573	300		16			28	
090673	300		17	35		13	
090773	300		21	30			
090873	300					29	
090973	300	225	33	14			
091073	300		26			21	
091173	300	500	29			56	
091273	300	315	17		50.0		
091373	900		46	77	8.0	24	57
091473	650	240					
091573	1,300		17		16.0	23	
091673	590						
091773	850	200	20				
091873	500		15			30	
091973	600	280	18	31	5.3		
092073	300				16.0		
092173	425	450	45		16.0	18	
092273	1,000		24		26.5		
092373	700			20		22	
092473	700		25		48.0		
092573	500				48.0	21	20
092673	500		30		55.0	32	
092773	600		28		72.0	32	
50 PERCENT	500	280	24	30	29.2	24	38
10 PERCENT	940	0	45	0	66.9	46	0

PROCESS FLOW (GAL)

DATE	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	56 FILTER BACKWASH	57 CARBON BACKWASH	66 FILTER BACKWASH	67 CARBON BACKWASH	70 FILTER BACKWASH	71 CARBON BACKWASH
090373	48	18		8.7	9.9	35
090473	82		39.7			
090573				15.8	68.9	165
090673	49	75	30.0	37.5	21.0	
090773	64	70	20.7		128.0	53
090873		80	77.0	27.0	25.0	20
090973	32	18	88.2	17.5	104.0	35
091073	207	30	55.0		70.0	25
091173	84	20	4.0	21.0	131.0	51
091273	47	21			35.0	27
091373	104	17	47.0	30.0	82.0	
091473	132	78	40.0	30.0	136.0	65
091573	112	35	92.0		60.0	120
091673	56	60		30.0	148.0	
091773	38	165		90.0	51.0	90
091873		60	106.0	40.0	36.0	40
091973	33		70.0	15.0	45.0	
092073		90		15.0		15
092173	32	18	24.0		66.0	
092273	98	23	37.0		54.0	30
092373	33		126.0	21.0	31.0	40
092473	34	50	27.0		29.0	27
092573			47.0	22.5	45.0	45
092673	73	20			46.0	40
092773	76	36	80.0		49.0	36
50 PERCENT	60	35	47.0	22.5	51.0	40
10 PERCENT	130	89	108.0	60.0	134.0	120

HIGH LIME DOSAGE MG/L CA(OH)2

24 HOUR COMPOSITE

DATE	SE FERRIC PLUS LIME PROCESS 17 LIME FLOCULATOR EFFLUENT
090373	680
090473	650
090573	633
090673	639
090773	500
090873	530
090973	670
091073	685
091173	600
091273	869
091473	710
091573	620
091673	654
091773	672
091873	560
091973	580
092073	505
092173	500
092273	640
092373	576
092473	820
092573	820
092673	750
092773	713
50 PERCENT	645
10 PERCENT	820

LOW LIME DOSAGE MG/L CA(OH)2

24 HOUR COMPOSITE

DATE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 6 CHEMICAL FLOCULATOR EFFLUENT	SE FERRIC PROCESS 13 CHEMICAL FLOCULATOR EFFLUENT	SE HIGH ALUM PROCESS 27 CHEMICAL FLOCULATOR EFFLUENT
090373	25	100	70
090473	25	78	65
090573	25	80	58
090673	28	77	73
090773	25	88	62
090873	30	92	73
090973	25	94	73
091073	25	93	68
091173	28	93	73
091273	25		
091373	28	115	83
091473	37	137	82
091573	40	90	82
091673	45	116	83
091773	50	103	89
091873	48	118	77
091973	47	120	80
092073	47	105	80
092173	50	132	80
092273	43	120	78
092373	48	123	80
092473	50	118	88
092573	56	120	77
092673	54	117	75
092773	53		
50 PERCENT	40	105	77
10 PERCENT	53	128	86

FERRIC CHLORIDE DOSAGE MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 13 CHEMICAL FLOCULATOR EFFLUENT
090373	200
090473	162
090573	175
090673	170
090773	154
090873	159
090973	160
091073	161
091173	163
091273	185
091373	213
091473	183
091573	181
091673	180
091773	213
091873	182
091973	180
092073	185
092173	182
092273	182
092373	184
092473	180
092573	178
092673	179
092773	193
50 PERCENT	180
10 PERCENT	205

HIGH ALUM DOSAGE MG/L

24 HOUR COMPOSITE

DATE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 6 CHEMICAL FLOCULATOR EFFLUENT	SE HIGH ALUM PROCESS 27 CHEMICAL FLOCULATOR EFFLUENT
090373	100	275
090473	100	265
090573	125	255
090673	125	260
090773	115	260
090873	82	275
090973	108	275
091073	100	270
091173	100	275
091273	100	270
091373	100	260
091473	163	260
091573	154	255
091673	155	246
091773	166	265
091873	163	265
091973	162	270
092073	160	265
092173	160	265
092273	173	280
092373	167	270
092473	150	260
092573	157	270
092673	155	261
092773	156	265
50 PERCENT	154	265
10 PERCENT	166	275

ANIONIC POLYMER DOSAGE MG/L

24 HOUR COMPOSITE

DATE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 6 CHEMICAL FLOCULATOR EFFLUENT	SE FERRIC PROCESS 13 CHEMICAL FLOCULATOR EFFLUENT	SE FERRIC PLUS LIME PROCESS 17 LIME FLOCULATOR EFFLUENT	SE HIGH ALUM PROCESS 27 CHEMICAL FLOCULATOR EFFLUENT
090373	1.0	1.0	1.0	1.0
090473	1.0	1.3	1.3	1.1
090573	0.8	1.0	1.1	1.0
090673	1.0	1.0	1.1	1.0
090773	1.0	0.9	1.1	1.1
090873	1.0	0.8	1.3	1.4
090973	0.9	1.0	1.1	1.0
091073	0.8	0.9	1.1	1.0
091173	1.0	1.0	1.1	0.9
091273	1.0	1.3	1.1	1.1
091373	0.9	1.2	1.2	1.1
091473	0.6	0.6	0.6	0.6
091573	0.5	0.6	0.5	0.6
091673	0.5	0.6	0.5	0.6
091773	0.6	0.6	0.5	0.5
091873	0.5	0.6	0.5	0.6
091973	0.5	0.6	0.5	0.6
092073	0.5	0.6	0.5	0.6
092173	0.5	0.6	0.5	0.6
092273	0.6	0.6	0.5	0.6
092373	0.6	0.6	0.4	0.6
092473	0.6	0.6	0.5	0.6
092573	0.6	0.6	0.7	0.6
092673	0.5	0.6	0.5	0.6
092773	0.5	0.6	0.5	0.6
50 PERCENT	0.6	0.6	0.6	0.6
10 PERCENT	1.0	1.2	1.2	1.1

SODIUM NITRATE DOSAGE MG/L

24 HOUR COMPOSITE

DATE	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
092173		10.0
092273	10.0	10.0
092373	10.0	10.0
092473	10.0	10.0
092573	10.0	10.0
092673	10.0	10.0
092773	10.0	10.0
50 PERCENT	10.0	10.0
10 PERCENT	0.0	0.0

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PROCESS
	5 CONVENTIONAL A.S EFFLUENT	8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	15 FILTER EFFLUENT
090373	9.8		1.3	37		6.2	6.3	
090473	5.5	1.1	18.0	26	21.8	5.9	17.0	0.1
090573	20.0	0.6	1.5	22	16.3	5.1	28.0	0.2
090673	7.0	1.0	0.8	16	12.6	6.0	20.0	4.9
090773	7.4	4.4	3.0	20	11.8	7.8	19.4	1.6
090873	7.5	1.3	2.1	18	15.6	7.5	34.0	10.0
090973	15.0	0.5	4.0	22	10.4	4.0	22.0	2.6
091073	12.0	0.9	1.1	24	9.0	3.9	19.1	4.6
091173	14.6	1.2	2.7	27	9.9	5.7	25.8	5.0
091273	10.0	3.1	2.0	23	9.0	5.3	21.2	5.2
091373	17.0	2.8	1.6	23	8.5	3.7	23.2	0.6
091473	15.0	1.4	1.0	25	7.4	5.4	20.4	0.6
091573	18.0	0.8	3.5	34	10.0	6.4	32.0	0.4
091673	11.5	0.6	1.2	29	9.3	5.5	19.0	0.5
091773	12.0	0.8	1.4	21	10.3	4.0	25.0	0.8
091873	9.1	0.5	0.6	13	6.3	2.6	18.9	0.9
091973	14.0	2.1	1.2	12	2.5	2.1	19.0	0.8
092073	15.0	0.8	1.1	17	4.5	1.9	18.0	0.6
092173	9.4	0.8	0.7	11	5.5	1.8	24.2	3.5
092273	9.4	0.3	1.2	11	3.9	1.8	18.0	2.2
092373	16.0	0.2	1.0	18	9.2	1.8	18.0	4.9
092473	8.1	0.6	0.6	15	3.8	1.7	27.0	10.2
092573	7.8	0.6	0.6	16	11.3	1.8	28.3	2.7
092673	6.6	0.5	0.6	19	8.7	1.6	18.2	1.6
092773	7.7	0.6	51.0	18	5.8	1.4	17.0	3.6
50 PERCENT	10.0	0.8	1.2	20	9.1	4.0	20.0	1.9
10 PERCENT	17.4	3.0	9.6	31	15.9	6.8	29.8	7.6

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	2.7	1.4		0.8	28.0		6.3
090473	1.5	4.9	0.3	1.5	11.8	1.8	6.0
090573	0.7	9.2	0.3	1.2	26.4	0.5	4.4
090673	1.8	9.8	0.8	1.5	8.8	3.6	7.0
090773	3.6	6.6	0.6	2.0	13.0	4.7	18.0
090873	4.3	14.1	0.5	1.8	17.5	2.6	9.4
090973	3.4	5.4	0.5	4.8	18.0	2.4	8.3
091073	4.9	15.0	0.4	1.5	30.0	20.4	9.8
091173	25.0	20.5	0.2	1.2	26.8	5.4	21.3
091273	3.1	13.0	0.5	13.0	18.6	3.9	42.0
091373	2.6	10.0	0.8	2.4	23.0	8.7	20.6
091473	2.3	6.0	0.5	2.2	25.0	4.9	31.0
091573	3.1	15.4	0.4	1.2	60.0	1.6	13.0
091673	1.2	8.7	0.4	2.3	16.0	2.3	4.1
091773	2.0	6.8	0.3	1.8	37.0	1.9	5.0
091873	1.7	12.9	0.5	1.7	24.7	5.0	16.0
091973	1.7	21.0	0.4	2.0	24.3	3.5	31.0
092073	2.1	13.1	0.6	1.5	14.0	1.9	25.1
092173	2.8	10.3	0.4	1.5	13.4	7.2	18.0
092273	3.3	3.9	1.4	3.2	14.0	1.1	16.9
092373	2.5	5.4	0.3	3.4	21.8	3.2	3.8
092473	2.3	7.9	0.3	2.8	22.0	5.5	3.4
092573	9.9	11.1	0.4	2.4	31.8	3.3	6.0
092673	3.4	10.6	0.4	2.3	28.9	7.9	4.7
092773	5.4	5.5	0.9	3.3	20.3	3.3	5.1
50 PERCENT	2.7	9.8	0.4	2.0	22.0	3.4	9.4
10 PERCENT	7.2	17.4	0.9	4.0	33.9	8.3	31.0

MAXIMUM TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PROCESS
	5 CONVENTIONAL A.S EFFLUENT	8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	15 FILTER EFFLUENT
090373	27.0		6.0	80		6.4	12	
090473	7.2	1.8	1.5	28	27.0	6.5	25	0.2
090573	6.3	0.8	1.6	45	20.0	5.8	26	0.3
090673	7.9	1.8	1.1	20	14.0	6.2	21	0.7
090773	41.0	15.0	5.3	22	15.0	8.9	39	3.8
090873	9.0	2.0	3.1	17	30.0	7.0	27	30.0
090973	22.0	0.7	2.9	23	12.0	9.3	25	6.5
091073	10.0	2.0	2.2	27	10.0	4.9	34	7.0
091173	50.0	1.5	6.8	30	11.0	6.3	69	8.0
091273	14.0	4.0	2.4	25	11.0	7.5	68	30.0
091373	42.0	3.4	2.8	35	12.0	5.8	72	2.0
091473	6.2	4.4	1.7	28	15.0	6.2	57	1.0
091573	14.0	4.4	3.7	48	10.0	7.8	57	0.5
091673	31.0	0.9	2.2	34	11.0	6.4	29	1.0
091773	16.0	1.6	1.5	42	20.0	6.8	35	1.2
091873	18.0	1.0	1.6	17	9.0	3.6	47	2.0
091973	14.0	3.5	2.0	12	4.0	2.8	37	2.1
092073	18.0	0.3	2.0	16	7.5	2.2	21	1.1
092173	12.0	1.2	1.1	14	8.0	2.9	58	5.0
092273	14.0	0.5	3.8	15	5.0	2.7	14	6.0
092373	12.0	0.3	1.2	20	12.0	2.1	38	8.8
092473	14.0	1.2	1.6	27	5.0	2.5	60	17.0
092573	8.5	1.3	1.6	22	30.0	2.7	68	7.0
092673	9.2	1.3	1.3	25	15.0	2.0	50	3.0
092773	12.0	1.5	1.6	27	17.0	2.0	42	8.0
50 PERCENT	14.0	1.5	2.0	25	12.0	5.8	38	3.4
10 PERCENT	41.4	4.4	5.6	46	28.5	8.2	68	23.5

MAXIMUM TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	2.2	3.8		0.9	26		2.8
090473	2.7	25.0	0.3	1.0	28	5.0	6.3
090573	4.0	45.0	0.4	1.6	40	1.5	6.4
090673	1.8	27.0	1.2	2.2	17	9.0	8.6
090773	5.4	24.0	0.7	3.8	18	9.0	19.0
090873	7.7	48.0	0.8	4.5	38	4.7	18.0
090973	5.0	7.2	1.2	2.6	75	6.0	17.0
091073	7.9	10.0	0.7	2.1	32	30.0	14.0
091173	12.0	61.0	0.3	2.8	40	12.0	26.0
091273	3.7	30.0	0.9	1.5	31	16.0	42.0
091373	2.4	30.0	1.5	1.9	49	23.0	32.0
091473	2.4	11.0	0.9	3.3	38	15.0	23.0
091573	37.0	46.0	0.5	1.5	65	3.0	20.0
091673	2.8	16.0	0.5	2.5	14	5.0	12.0
091773	2.0	11.0	0.4	4.3	22	4.2	14.0
091873	3.0	41.0	0.6	2.2	49	16.0	31.0
091973	2.7	69.0	0.3	3.1	46	5.0	38.0
092073	3.2	43.0	0.7	1.8	22	2.0	63.0
092173	2.6	38.0	0.5	1.8	35	17.0	30.0
092273	7.2	14.0	2.7	0.9	19	2.0	39.0
092373	3.2	12.0	0.5	2.2	53	3.5	4.1
092473	4.0	33.0	0.5	1.6	55	11.0	4.6
092573	4.0	21.0	0.6	1.9	59	13.0	4.9
092673	5.5	38.0	0.6	3.3	72	30.0	7.9
092773	4.2	12.0	3.0	9.5	32	5.0	4.2
50 PERCENT	3.7	27.0	0.6	2.2	38	7.5	17.0
10 PERCENT	9.5	53.2	2.1	4.4	68	26.5	40.2

MINIMUM TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PROCESS
	5 CONVENTIONAL A.S EFFLUENT	8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	15 FILTER EFFLUENT
090373	5.5		0.55	26.0		5.1	3.5	
090473	3.2	0.5	0.60	23.0	17.8	5.4	3.8	0.1
090573	4.3	0.4	0.45	15.0	14.0	4.7	4.5	0.1
090673	5.1	0.3	0.47	13.0	10.0	5.4	3.2	0.1
090773	5.4	1.0	1.90	14.0	8.5	4.3	9.0	0.2
090873	5.8	0.7	1.00	13.0	8.5	3.3	3.5	3.8
090973	3.6	0.4	0.60	18.0	8.5	2.5	6.1	0.2
091073	4.6	0.4	0.60	22.0	7.0	2.8	6.1	1.5
091173	6.6	1.0	1.10	23.0	9.0	5.0	6.5	1.0
091273	4.5	2.0	0.95	22.0	8.0	2.9	7.7	0.2
091373	6.3	2.0	0.30	17.0	4.5	4.8	5.0	0.1
091473	3.0	0.4	0.40	17.0	6.0	4.5	6.0	0.2
091573	4.5	0.4	0.30	19.0	10.0	4.5	6.5	0.2
091673	3.8	0.2	0.20	23.0	7.0	3.1	5.1	0.1
091773	5.5	0.4	0.24	15.0	7.5	2.1	5.0	0.2
091873	5.5	0.1	0.35	10.0	3.5	1.6	5.7	0.1
091973	5.8	0.4	0.52	7.1	1.5	1.8	4.5	0.2
092073	7.9	0.1	0.20	7.5	1.6	1.3	5.1	0.5
092173	6.7	0.5	0.50	8.0	3.0	1.4	6.8	1.1
092273	6.8	0.1	0.20	8.0	3.0	0.9	2.1	0.5
092373	3.5	0.1	0.20	8.0	5.0	1.3	2.3	1.7
092473	6.0	0.1	0.08	12.0	3.0	1.3	3.5	0.7
092573	5.6	0.2	0.10	1.5	3.0	0.3	6.5	0.6
092673	4.9	0.1	0.30	13.0	3.0	1.4	1.6	0.3
092773	5.6	0.1	0.30	12.0	0.4	0.8	6.0	1.0
50 PERCENT	5.5	0.4	0.40	14.0	6.5	2.8	5.1	0.2
10 PERCENT	6.7	1.5	1.04	23.0	12.0	5.2	7.2	1.6

MINIMUM TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	0.2	0.8		0.3	1.4		1.5
090473	0.7	0.5	0.3	0.3	4.1	0.1	2.1
090573	0.8	1.0	0.3	0.6	8.6	0.1	1.4
090673	1.4	3.0	0.5	0.8	5.6	0.5	4.1
090773	1.3	0.6	0.5	0.5	5.5	2.0	2.0
090873	1.5	0.7	0.4	0.3	7.2	0.4	1.7
090973	1.8	3.5	0.3	1.1	3.8	0.4	2.0
091073	2.2	1.6	0.3	1.0	4.9	0.5	6.4
091173	1.4	3.1	0.1	0.7	8.2	0.4	5.3
091273	2.2	4.7	0.3	1.0	7.6	0.1	29.0
091373	1.3	1.3	0.5	1.3	5.5		4.1
091473	1.4	2.3	0.3	0.9	7.7	0.1	3.8
091573	1.5	3.1	0.3	0.7	6.7	0.2	2.0
091673	1.0	1.3	0.3	1.0	5.2	0.2	3.9
091773	1.0	2.4	0.2	1.1	2.6	0.3	7.6
091873	1.8	1.9	0.3	1.3	6.2	0.4	15.0
091973	1.6	5.0	0.5	0.8	4.5	2.3	23.0
092073	1.3	1.8	0.5	0.7	4.8	0.5	2.9
092173	1.7	0.9	0.3	0.5	5.4	1.0	2.4
092273	1.4	0.4	0.5	0.3	5.5	0.2	2.0
092373	1.4	1.4	0.2	0.5	3.8	2.8	1.8
092473	1.5	1.1	0.1	0.7	6.8	0.2	1.3
092573	0.3	0.7	0.3	0.2	5.7	0.2	0.9
092673	2.0	1.1	0.3	0.6	5.3	0.3	2.4
092773	3.2	1.9	0.3	0.6	5.0	0.5	3.6
50 PERCENT	1.4	1.4	0.3	0.7	5.5	0.4	2.4
10 PERCENT	2.2	4.0	0.5	1.2	7.9	2.2	18.2

AVERAGE DISSOLVED OXYGEN

DATE	SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	SE H.P.O. - A.S. PROCESS 32 H.P.O. - A.S. MIXED LIQUOR
090373		
090473	1.4	
090573	1.2	
090673	1.6	7.1
090773	2.1	10.8
090873	1.4	11.6
090973	1.4	9.9
091073	1.9	9.6
091173	1.2	8.3
091273	1.8	9.5
091373	1.8	6.7
091473	1.3	6.4
091573	2.8	8.9
091673	2.5	9.5
091773	1.9	8.0
091873	2.0	8.9
091973	1.5	8.2
092073	1.1	7.3
092173	1.8	9.1
092273	1.4	9.1
092373	1.1	8.1
092473	1.8	8.4
092573	2.0	7.5
092673	1.3	7.8
092773	1.3	7.9
	1.4	7.4
		11.2
50 PERCENT		
10 PERCENT	1.5	
	2.2	8.3
		11.0

MAXIMUM DISSOLVED OXYGEN

DATE	SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	SE H.P.O. - A.S. PROCESS 32 H.P.O. - A.S. MIXED LIQUOR
090373		
090473	1.7	
090573	1.5	
090673	4.5	7.5
090773	4.6	15.0
090873	1.5	15.0
090973	1.8	15.0
091073	4.0	14.5
091173	2.0	15.0
091273	4.5	14.1
091373	2.7	9.7
091473	1.8	9.0
091573	5.0	12.6
091673	7.3	12.7
091773	3.0	13.5
091873	6.0	15.0
091973	2.5	11.6
092073	1.4	11.7
092173	2.7	14.2
092273	2.5	15.0
092373	2.3	11.9
092473	2.4	10.5
092573	2.9	9.1
092673	2.8	11.4
092773	2.0	11.4
	1.8	10.4
		15.0
50 PERCENT		
10 PERCENT	2.5	
	5.4	12.6
		15.0

MINIMUM DISSOLVED OXYGEN

DATE	SE CONVENTIONAL A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	31 CONVENTIONAL A.S MIXED LIQUOR	32 H.P.O. - A.S. MIXED LIQUOR
090373	0.7	
090473	1.0	6.5
090573	0.8	6.7
090673	1.1	1.1
090773	0.8	7.0
090873	0.8	7.0
090973	1.0	1.3
091073	0.7	5.2
091173	1.0	3.5
091273	1.1	3.6
091373	1.0	6.7
091473	0.8	5.6
091573	1.1	2.4
091673	0.9	3.5
091773	0.5	5.8
091873	0.4	5.6
091973	0.6	5.7
092073	1.4	6.6
092173	0.6	5.4
092273	0.6	6.1
092373	1.3	5.0
092473	1.0	5.2
092573	0.7	5.7
092673	0.7	6.5
092773	0.8	7.0
50 PERCENT	0.8	5.6
10 PERCENT	1.2	7.0

MEDIAN DAILY PH (PH UNITS)

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	6 CHEMICAL FLOCULATOR EFFLUENT	7 CHEMICAL CLARIFIER EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT
090373	7.2	7.4	6.9	7.3	7.2	7.2	6.5
090473	7.2	7.5	7.6	7.6	7.6	7.4	7.8
090573	7.2	7.0	6.8	7.0	7.3	6.8	6.1
090673	7.3	6.9	7.0	6.9	6.8	6.8	6.4
090773	7.2	7.3	7.2	7.0	7.3	7.1	6.2
090873	7.1	7.3	7.0	7.2	7.2	7.3	6.6
090973	6.9	7.0	6.9	6.9	6.9	7.1	6.3
091073	7.0	7.0	7.0	7.0	7.0	7.0	6.4
091173	7.0	7.0	7.1	6.8	7.0	6.9	6.6
091273	6.7	7.0	6.8	6.7	6.8	6.8	6.4
091373	7.0	7.1	7.1	7.1	7.1	7.2	6.7
091473	7.0	7.2	7.0	6.8	6.7	6.7	6.4
091573	7.4	7.1	7.2	6.6	6.7	6.8	6.6
091673	7.2	7.4	7.1	6.8	6.8	6.7	6.8
091773	7.1	7.3	6.9	7.1	7.1	6.6	6.6
091873	7.2	7.0	7.0	6.9	7.0	6.8	6.6
091973	7.4	7.0	6.9	7.6	7.6	6.9	6.5
092073	7.3	7.0	6.9	7.0	6.9	7.1	6.4
092173	7.0	7.2	7.0	6.8	6.9	6.8	6.5
092273	7.3	7.4	7.1	7.1	6.8	7.0	6.8
092373	7.0	7.2	6.9	7.0	6.4	6.5	6.7
092473	7.2	7.2	6.9	6.8	6.9	6.6	6.6
092573	7.0	7.0	6.8	6.7	6.9	6.7	6.6
092673	7.2	7.0	6.8	6.6	6.8	6.8	6.5
092773	7.0	6.9	6.8	6.9	6.9	6.7	6.3
50 PERCENT	7.2	7.1	7.0	6.9	6.9	6.8	6.5
10 PERCENT	7.3	7.4	7.2	7.4	7.4	7.2	6.8

MEDIAN DAILY PH (PH UNITS)

24 HOUR COMPOSITE

DATE	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS
	12 CARBON COLUMN EFFLUENT	13 CHEMICAL FLOCULATOR EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	17 LIME FLOCULATOR EFFLUENT	18 LIME CLARIFIER EFFLUENT	20 RECARBONATION CLARIFIER EFFLUENT
090373	6.4	5.7	6.2	6.3	12	11	7.7
090473	8.4	6.0	7.4	7.7	11	12	9.6
090573	6.3	7.0	6.4	6.2	11	11	9.4
090673	6.4	6.3	6.3	6.4	11	12	9.7
090773	6.4	7.2	7.0	6.6	11	12	9.2
090873	6.6	6.8	6.7	7.0	12	11	9.5
090973	6.5	6.8	6.7	6.7	12	11	9.4
091073	6.5	6.6	6.2	6.5	11	11	9.3
091173	6.6	6.6	6.6	6.7	12	12	9.3
091273	6.4	6.2	6.0	6.5	11	11	9.6
091373	6.7	6.3	6.0	6.2	11	12	9.3
091473	6.4	6.4	6.5	6.0	11	12	9.4
091573	6.6	6.8	6.6	6.7	11	11	9.7
091673	7.0	6.8	6.8	6.5	11	11	8.6
091773	6.6	6.9	6.6	6.7	11	11	8.9
091873	6.6	6.7	6.8	6.8	11	11	8.9
091973	6.5	6.8	6.7	6.7	11	11	10.6
092073	6.6	6.7	6.6	6.5	11	12	10.1
092173	6.6	6.9	6.7	6.6	11	12	9.1
092273	6.8	7.4	7.2	6.8	11	11	9.5
092373	6.8	7.3	7.0	6.7	11	11	9.0
092473	6.8	5.6	6.7	6.7	11	11	8.8
092573	6.8	6.5	6.1	6.8	12	11	8.7
092673	6.6	6.4	6.6	6.9	11	11	8.1
092773	6.5	6.6	6.8	7.0	11	11	9.6
50 PERCENT	6.6	6.7	6.6	6.7	11	11	9.3
10 PERCENT	6.9	7.2	7.1	7.0	12	12	9.9

MEDIAN DAILY PH (PH UNITS)

24 HOUR COMPOSITE

DATE	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS	SE CONVENTIONAL A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	27 CHEMICAL FLOCULATOR EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT	31 CONVENTIONAL A.S MIXED LIQUOR	32 H.P.O. - A.S. MIXED LIQUOR
090373	6.6	6.6	7.1	7.8	6.8	6.9	6.4
090473	7.3	7.3	7.4	8.0	7.2	7.1	6.2
090573	7.0	6.5	7.1	6.5	6.4	6.9	6.1
090673	6.9	6.6	7.3	6.8	6.6	6.8	6.2
090773	7.3	6.8	7.0	7.0	6.7	7.1	6.0
090873	6.5	6.4	6.9	6.9	7.1	6.9	6.0
090973	7.2	6.2	7.0	6.9	6.7	6.9	6.0
091073	7.0	6.9	6.5	6.6	6.6	6.8	6.1
091173	8.5	7.2	6.5	6.7	6.7	6.7	6.3
091273	6.7	6.7	6.4	6.5	6.5	7.0	6.3
091373	7.1	7.1	6.7	6.5	6.6	7.0	6.4
091473	6.9	6.6	6.9	6.7	6.5	7.1	6.4
091573	7.1	6.7	7.0	7.3	6.8	7.1	6.5
091673	7.1	6.9	7.2	7.2	6.9	7.1	6.7
091773	6.8	6.8	7.3	7.0	6.9	7.0	6.8
091873	7.3	6.8	6.8	7.0	6.9	6.9	6.5
091973	7.4	6.8	7.9	7.7	6.8	7.0	6.6
092073	6.8	6.8	6.9	6.9	6.9	6.9	6.5
092173	6.7	6.7	7.1	7.0	6.8	6.9	6.5
092273	7.0	6.8	6.9	6.7	7.8	7.1	6.5
092373	7.2	6.8	6.8	6.8	7.5	6.8	6.5
092473	6.8	6.7	7.6	6.8	7.2	6.7	6.6
092573	6.8	6.8	6.3	6.4	7.3	6.7	6.6
092673	6.8	6.8	6.8	6.7	7.1	6.8	6.3
092773	7.0	6.7	6.6	7.1	7.3	6.8	6.6
50 PERCENT	7.0	6.8	6.9	6.9	6.8	6.9	6.4
10 PERCENT	7.3	7.1	7.5	7.7	7.4	7.1	6.7

MAXIMUM DAILY PH (PH UNITS)

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS	SOUTHEAST NON-SPECIFIC PROCESS	SE CONVENTIONAL A.S. PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE M.P.O. - A.S. PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	6 CHEMICAL FLOCCULATOR EFFLUENT	7 CHEMICAL CLARIFIER EFFLUENT	9 CARBON COLUMN EFFLUENT	10 M.P.O. - A.S. EFFLUENT
090373	8.1	7.6	7.4	8.0	8.2	7.6	6.8
090473	8.3	8.0	7.5	8.3	8.2	7.6	7.0
090573	8.7	8.7	7.2	7.7	7.5	6.9	6.4
090673	8.4	7.3	7.7	8.1	8.1	7.0	6.5
090773	8.0	8.8	7.3	8.4	8.2	7.3	6.5
090873	7.8	8.5	7.4	7.6	7.7	7.5	6.9
090973	7.5	7.5	7.2	7.7	7.6	7.4	6.7
091073	9.2	7.4	7.2	8.3	7.2	7.2	6.7
091173	8.3	8.0	7.2	7.1	7.3	7.2	6.9
091273	7.9	7.4	7.4	7.2	7.2	7.0	6.6
091373	8.4	7.6	7.4	7.5	7.5	7.5	6.7
091473	8.8	7.8	7.3	7.3	7.5	6.8	6.8
091573	10.1	9.8	7.3	7.0	7.0	7.0	6.8
091673	8.1	7.6	7.4	7.2	7.1	7.0	7.0
091773	8.6	8.0	7.3	7.2	7.2	6.7	6.7
091873	10.0	7.7	8.8	7.7	8.0	7.0	6.8
091973	8.6	7.6	7.2	8.3	8.4	7.2	6.6
092073	8.0	7.8	7.1	7.3	7.3	7.3	6.8
092173	9.2	7.9	7.2	7.2	7.2	7.0	6.8
092273	8.7	7.9	8.0	7.6	7.3	7.2	7.1
092373	7.6	7.6	7.0	7.1	7.2	6.6	7.0
092473	7.8	8.4	7.4	7.0	7.2	7.0	7.0
092573	8.4	8.3	7.1	6.8	7.1	7.2	7.1
092673	8.3	7.5	7.1	7.0	7.1	7.1	6.7
092773	8.4	7.5	7.1	9.3	8.7	7.0	6.5
50 PERCENT	8.4	7.8	7.3	7.5	7.3	7.1	6.8
10 PERCENT	9.5	8.7	7.8	8.3	8.3	7.5	7.0

MAXIMUM DAILY PH (PH UNITS)

24 HOUR COMPOSITE

DATE	SE M.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS
	12 CARBON COLUMN EFFLUENT	13 CHEMICAL FLOCULATOR EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	17 LIME FLOCULATOR EFFLUENT	18 LIME CLARIFIER EFFLUENT	20 RECARBONATION CLARIFIER EFFLUENT
090373	6.8	7.6	7.5	6.8	12	12	9.8
090473	7.1	7.6	7.5	6.8	12	12	11.1
090573	6.4	7.1	7.0	6.3	12	12	10.5
090673	6.6	6.9	6.4	6.6	12	12	11.2
090773	6.6	8.2	8.2	7.0	12	12	10.3
090873	7.0	7.2	7.4	7.5	12	11	10.4
090973	6.8	7.0	6.9	6.8	12	11	10.2
091073	6.6	6.9	7.0	6.8	12	12	9.8
091173	6.8	7.4	7.6	6.9	12	12	9.9
091273	6.6	7.0	6.7	6.8	12	12	11.4
091373	6.7	6.9	6.8	6.3	12	12	11.6
091473	6.8	7.3	7.3	6.5	12	12	10.6
091573	6.9	9.7	9.2	9.1	12	12	10.9
091673	7.2	7.8	7.3	6.9	12	11	9.5
091773	6.8	7.4	6.8	7.3	11	12	10.2
091873	6.8	7.1	7.1	6.9	11	12	11.0
091973	6.7	7.3	7.5	6.9	12	12	11.2
092073	6.9	7.3	7.0	7.0	12	12	10.5
092173	6.7	7.4	7.4	6.7	11	12	10.9
092273	6.9	7.8	7.5	7.0	12	12	11.1
092373	6.9	6.1	8.2	6.8	12	12	10.8
092473	7.0	6.9	7.3	7.0	12	11	11.0
092573	7.1	6.8	7.1	7.1	12	12	11.0
092673	6.8	7.4	7.3	7.0	12	11	11.3
092773	6.7	7.4	7.3	7.2	12	12	10.6
50 PERCENT	6.8	7.3	7.3	6.9	12	12	10.8
10 PERCENT	7.1	8.0	8.2	7.4	12	12	11.3

MAXIMUM DAILY PH (PH UNITS)

24 HOUR COMPOSITE

DATE	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 27 CHEMICAL FLOCULATOR EFFLUENT	SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	SE H.P.O. - A.S. PROCESS 32 H.P.O. - A.S. MIXED LIQUOR
090373	8.0	7.1	7.6	7.2	7.0	7.1	6.7
090473	9.6	7.4	7.6	7.8	7.4	7.5	6.3
090573	9.1	6.7	9.0	6.6	6.6	7.0	6.2
090673	10.3	6.9	7.8	7.3	6.6	7.4	6.9
090773	9.1	7.0	7.3	7.3	6.9	7.3	6.2
090873	9.1	7.3	7.0	7.3	7.7	7.3	6.5
090973	9.5	7.0	7.2	7.3	7.1	6.9	6.4
091073	8.5	7.1	6.6	6.8	6.8	7.2	6.7
091173	10.5	7.3	6.8	7.5	7.1	6.7	6.5
091273	10.8	7.0	7.0	7.7	6.6	7.4	6.7
091373	11.0	7.2	7.3	7.3	6.8	7.3	7.2
091473	8.5	6.8	7.3	7.2	6.8	7.6	6.9
091573	8.1	7.0	9.7	9.8	7.0	7.2	6.9
091673	8.2	7.0	7.9	8.6	7.2	7.2	7.0
091773	8.2	6.8	7.3	7.3	7.0	7.1	7.0
091873	9.0	6.9	8.9	8.9	7.0	7.1	7.1
091973	9.8	7.0	8.2	8.5	7.0	7.2	6.8
092073	8.9	7.0	7.1	7.6	7.1	7.0	6.7
092173	8.4	6.9	7.4	7.2	6.8	7.2	6.8
092273	11.1	7.0	7.5	7.4	7.8	7.2	7.0
092373	8.9	7.0	7.1	7.3	7.7	6.9	6.7
092473	10.6	7.0	8.2	7.9	7.2	7.3	6.7
092573	7.7	7.2	6.5	7.4	7.4	6.9	6.7
092673	10.9	7.0	7.0	7.4	7.3	6.9	6.6
092773	9.2	7.0	7.5	7.7	7.4	7.0	6.7
50 PERCENT	9.1	7.0	7.3	7.4	7.0	7.2	6.7
10 PERCENT	10.9	7.3	8.9	8.7	7.7	7.4	7.0

MINIMUM DAILY PH (PH UNITS)

24 HOUR COMPOSITE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	SOUTHEAST NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 6 CHEMICAL FLOCULATOR EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 7 CHEMICAL CLARIFIER EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT
090373	6.6	6.8	6.6	7.0	7.0	7.0	6.2
090473	6.1	6.3	6.9	7.1	7.2	6.8	6.2
090573	5.6	5.6	6.5	6.9	6.9	6.3	5.9
090673	6.1	6.7	6.1	6.7	6.6	6.5	6.1
090773	5.6	6.3	6.6	6.9	7.0	6.7	5.7
090873	5.7	6.5	6.7	6.7	7.0	6.7	5.8
090973	6.3	6.4	6.5	5.6	6.5	6.8	5.9
091073	1.3	5.6	6.2	6.9	6.4	6.6	6.1
091173	2.2	5.7	6.2	6.7	6.5	6.5	6.3
091273	2.7	5.7	6.3	6.6	6.6	6.7	6.0
091373	6.0	6.8	6.9	7.0	6.8	6.9	6.4
091473	2.5	6.5	6.6	6.0	5.9	6.6	6.3
091573	2.9	6.3	6.9	6.5	6.5	6.7	6.5
091673	5.5	6.6	6.9	6.6	6.6	6.6	6.6
091773	4.6	6.8	6.8	6.6	6.6	6.5	6.4
091873	2.9	6.4	6.5	6.7	6.6	6.6	6.5
091973	3.5	6.1	6.8	6.5	6.7	6.8	6.3
092073	6.6	6.6	6.6	6.4	6.4	6.4	6.2
092173	3.6	6.3	6.5	6.7	6.6	6.7	6.4
092273	6.5	6.6	6.7	6.6	6.5	6.6	6.5
092373	6.3	6.9	6.3	5.8	5.6	6.3	6.4
092573	6.6	6.5	6.4	6.5	6.5	6.5	6.2
092673	5.8	6.6	6.6	6.4	6.4	6.6	6.2
092773	3.5	6.6	6.5	6.5	6.6	6.6	6.2
50 PERCENT	5.6	6.5	6.6	6.6	6.6	6.6	6.2
10 PERCENT	6.6	6.8	6.9	7.0	7.0	6.8	6.5

MINIMUM DAILY PH (PH UNITS)

24 HOUR COMPOSITE

DATE	SF H.P.C. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS
	12 CARBON COLUMN EFFLUENT	13 CHEMICAL FLOCULATOR EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	17 LIME FLOCULATOR EFFLUENT	18 LIME CLARIFIER EFFLUENT	20 RECARBONATION CLARIFIER EFFLUENT
090373	6.4	5.5	4.6	6.0	10.5	7.5	6.2
090473	6.3	4.3	5.1	6.2	11.1	11.3	9.2
090573	6.0	5.8	4.4	5.8	9.5	10.9	8.9
090673	5.9	6.0	5.9	6.2	10.6	10.7	9.0
090773	5.9	5.5	6.1	6.1	10.9	11.1	8.3
090873	6.0	6.0	6.3	6.3	10.9	11.0	8.9
090973	6.1	6.5	6.0	6.5	9.0	10.6	8.8
091073	6.3	2.3	5.1	6.3	9.7	10.4	8.5
091173	6.3	4.5	5.0	6.1	9.4	10.9	8.8
091273	6.0	2.5	4.9	6.0	11.2	11.0	8.1
091373	6.4	3.0	3.3	5.9	11.0	11.0	6.5
091473	6.3	3.9	4.4	5.8	11.0	10.6	8.1
091573	6.5	2.8	5.2	6.4	11.0	10.8	7.3
091673	6.5	5.7	6.0	6.3	10.8	10.9	7.5
091773	6.4	6.0	6.4	6.6	11.0	11.1	8.5
091873	6.6	3.0	5.5	6.7	11.0	10.9	7.9
091973	6.3	4.0	6.0	6.6	11.1	11.2	8.7
092073	6.2	5.4	5.6	6.0	11.1	11.1	6.1
092173	6.4	5.7	4.9	6.5	10.7	11.3	8.4
092273	6.5	6.5	6.7	6.4	11.0	10.6	7.4
092373	6.6	5.9	5.7	6.7	10.6	10.8	8.2
092573	6.5	5.8	5.1	6.7	10.9	10.5	8.4
092673	6.3	6.3	6.2	6.8	11.0	10.4	7.5
092773	6.3	4.4	5.9	6.8	11.0	10.7	7.8
50 PERCENT	6.3	5.5	5.5	6.3	10.9	10.9	8.2
10 PERCENT	6.5	6.4	6.3	6.7	11.1	11.2	8.9

MINIMUM DAILY PH (PH UNITS)

24 HOUR COMPOSITE

DATE	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS	SE CONVENTIONAL A.S. PROCESS	SE H.P.O. - A.S. PROCESS
	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	27 CHEMICAL FLOCULATOR EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT	31 CONVENTIONAL A.S MIXED LIQUOR	32 H.P.O. - A.S. MIXED LIQUOR
090373	5.8	6.4	6.9	6.7	6.6	6.9	6.1
090473	5.9	6.2	6.6	5.8	6.3	6.6	5.3
090573	6.1	6.2	5.0	5.4	6.1	6.5	6.0
090673	6.0	6.3	7.2	6.4	6.2	6.2	6.0
090773	6.0	6.5	6.9	6.5	6.5	7.0	5.9
090873	5.9	6.1	6.5	6.2	6.3	6.7	6.0
090973	6.2	5.9	6.5	6.2	6.3	6.7	5.9
091073	6.4	6.5	4.9	5.8	6.5	6.6	6.0
091173	6.3	6.5	6.1	6.2	6.5	6.1	6.2
091273	6.0	6.4	4.6	5.5	6.3	6.3	5.8
091373	6.3	6.8	5.5	6.2	6.4	6.9	6.3
091473	6.0	6.3	6.2	5.5	6.4	6.9	6.3
091573	6.3	6.5	5.0	5.9	6.7	6.9	6.3
091673	6.5	6.8	6.2	6.2	6.7	6.8	6.4
091773	6.2	6.5	7.1	6.5	6.8	6.9	6.4
091873	6.4	6.6	6.6	6.4	6.7	6.6	6.4
091973	6.5	6.6	5.5	7.0	6.8	6.8	6.2
092073	6.1	6.4	5.4	5.7	6.4	6.7	6.1
092173	6.4	6.5	6.4	6.3	6.6	6.6	6.0
092273	6.4	6.7	6.3	6.2	7.0	6.8	6.3
092373	6.4	6.5	6.5	6.2	7.2	6.6	6.4
092573	6.5	6.6	5.6	6.1	7.2	6.5	6.4
092673	6.2	6.6	6.3	6.4	7.1	6.6	6.1
092773	6.4	6.5	4.5	6.0	7.1	6.6	6.1
50 PERCENT	6.2	6.5	6.2	6.2	6.5	6.6	6.1
10 PERCENT	6.5	6.7	7.0	6.6	7.1	6.9	6.4

NUMBER OF PROCESS RUNS EACH DAY

TEMPERATURE DEGREES CENTIGRADE

DATE	SOUTHEAST NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
090373	21
090473	21
090573	21
090673	21
090773	22
090873	21
090973	21
091073	21
091173	22
091273	23
091373	22
091473	22
091573	21
091673	21
091773	21
091873	22
091973	21
092073	21
092173	21
092273	22
092373	21
092473	21
092573	21
092673	22
092773	22
50 PERCENT	21
10 PERCENT	22

CO_2 SCFM

DATE	SE FERRIC PLUS LIME PROCESS 19 FIRST STAGE LIME RECARB EFFLUENT	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT
090373	3.8	2.9
090473	3.5	4.0
090573	5.0	5.8
090673	6.6	5.3
090773	6.1	2.5
090873	3.8	3.6
090973	2.9	2.9
091073	2.4	2.5
091173	4.7	5.1
091273	2.8	2.9
091373	5.9	4.6
091473	4.4	4.8
091573	5.3	3.5
091673	4.1	2.2
091773	4.2	4.4
091873	4.5	3.7
091973	5.4	5.3
092073	7.8	5.9
092173	7.9	5.7
092273	6.3	4.9
092373	4.9	5.3
092473	6.3	4.3
092573	4.8	3.1
092673	5.4	3.4
092773	3.0	2.7
50 PERCENT	4.8	4.0
10 PERCENT	7.1	5.7

NUMBER OF PROCESS RUNS EACH DAY

DATE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 11 FILTER EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 15 FILTER EFFLUENT
090373	1.0				2.0
090473	2.0				2.0
090573	1.0		1.0		
090673	1.0	1.0	1.0		1.0
090773	1.0	1.0			1.0
090873			1.0		
090973		1.0			2.0
091073	1.0		1.0		4.0
091173	1.0		1.0		2.0
091273	1.0				2.0
091373	1.0	1.0	1.0	1.0	3.0
091473					3.0
091573	1.0		1.0		2.0
091673					2.0
091773	1.0				1.0
091873	1.0		1.0	1.0	
091973	1.0	1.0			1.0
092073					
092173	1.0		1.0		1.0
092273	1.0				2.0
092373		1.0	1.0		2.0
092473	1.0				1.0
092573			1.0	1.0	
092673	1.0				2.0
092773	1.0		1.0		1.0
50 PERCENT	1.0	1.0	1.0	1.0	2.0
10 PERCENT	1.1	0.0	1.0	0.0	3.0

NUMBER OF PROCESS RUNS EACH DAY

DATE	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	1.0	1.0	1.0	2.0	2.0
090473				2.0	
090573		2.0	1.0	1.0	2.0
090673	2.0	1.0	2.0	1.0	
090773	3.0	1.0		1.0	1.0
090873	4.0	1.0	2.0	1.0	1.0
090973	1.0	2.0	1.0	2.0	1.0
091073	1.0	1.0		2.0	1.0
091173	1.0	1.0	1.0	2.0	2.0
091273	1.0			2.0	1.0
091373	1.0	1.0	1.0	3.0	
091473	2.0	1.0	1.0	3.0	2.0
091573	2.0	1.0		2.0	3.0
091673	1.0	1.0	1.0	3.0	
091773	3.0		1.0	1.0	1.0
091873	1.0	1.0	1.0	1.0	1.0
091973		1.0	1.0	1.0	
092073	2.0		1.0		1.0
092173	1.0	1.0		1.0	
092273	1.0	1.0	2.0	1.0	1.0
092373		1.0	1.0	1.0	1.0
092473	2.0	1.0		1.0	1.0
092573		1.0	1.0	1.0	1.0
092673	2.0			1.0	1.0
092773	1.0	2.0	2.0	1.0	1.0
50 PERCENT	1.0	1.0	1.0	1.0	1.0
10 PERCENT	3.0	2.0	2.0	3.0	2.0

PROCESS RUN LENGTH (HOURS)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
		8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	15 FILTER EFFLUENT
090373	1100	26.0				11.7
	2000					9.8
090473	0600					9.3
	1300	24.7				
	2300					17.3
090573	1000			73		
	1900	30.0				
090673	0300					28.5
	1100			25		
	1200		95			
	2200	26.6				
090773	0400					24.3
	0900		21			
	1900					14.3
	2300	25.0				
090873	0600			44		
090973	0100	25.8				
	0600		45			35.3
	1400					8.0
091073	0300					13.0
	0600			47		3.0
	1400	38.0				
	1900					12.8
	2300					3.5
091173	1000					10.5
	1400	23.0		32		

PROCESS RUN LENGTH (HOURS)

(CONTINUED)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
		8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	15 FILTER EFFLUENT
091173	2100					11.5
091273	1000					12.3
	1300	23.5				
	2100					10.5
091373	0600			40		
	0700					9.0
	0900					8.0
	1000					3.0
	1500		201		273	
	1800	28.0				
091473	0400					27.8
	0900					5.0
	2100					11.3
091573	0600					8.0
	1000					4.0
	1200	19.0				
	1600			57		
091673	0600					13.0
	2200					12.0
091773	0600	42.0				
	2100					20.0
091873	1500			71	120	
	1600	33.8				
091973	1500					30.0
	1900		148			
	2300	31.0				

PROCESS RUN LENGTH (HOURS)

(CONTINUED)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 11 FILTER EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 15 FILTER EFFLUENT
092173	0300	27.6				
	1300					23.5
	1600			73		
092273	0600					7.0
	1000	31.0				
	1700					7.0
092373	0100					7.5
	0200					1.5
	0900		87			
	1800			50		
	2200					19.5
092473	1100	48.7				
	2200					7.0
092573	0200					13.0
	1000				155	
	1400			44		
092673	0200					28.0
	0600	30.0				
	1400					11.5
092773	0200			35		
	1400	32.0				
	1900					29.0
092873	0000	10.0	111	22	62	5.0
50 PERCENT		27.8	95	44	137	11.5
10 PERCENT		41.6	0	73	0	28.4

PROCESS RUN LENGTH (HOURS)

DATE	TIME	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	1000				14.3	
	2000					13.8
090473	0900				23.0	
	1400		45.0			
090573	0200				15.2	
	0300			37.0		31.0
	0600		15.3			
	1300			10.0		
	1900		13.3			
	2200				15.8	
090673	0000					21.0
	0700			18.8		
	1200	06.0	19.5		14.8	
	2200	10.0		12.0		
090773	0400				16.3	
	0600	9.6				
	0800					32.0
	1000	4.5				
	1800	18.3				
	1900				12.0	
	2300		36.0		4.0	
090873	0600			30.5		
	1100				11.5	
	1400		14.5			
	1700	17.0				
	1900	2.0				
	2200	1.8		17.5		70.0
090973	0300	4.0				
	0500		14.0			
	0900				21.5	11.0
	1000		5.0			
	1400			16.0		
	1800				5.0	
091073	0600				11.5	21.0
	1100		24.6			
	1200	33.0				

PROCESS RUN LENGTH (HOURS)

(CONTINUED)

DATE	TIME	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
		16 CARBON COLUMN EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
091073	1900				11.5	
091173	0300		16.3	37.5		
	0400					21.7
	1000	22.0			14.8	6.3
	1500				5.0	
091273	0300				12.0	
	0400					22.5
	1000				7.0	
	1400	26.3				
091373	1200				26.0	
	1800		12.0	62.0		
	1900	28.3				
	2000				7.3	
	2100				1.0	
091473	0500			12.0		
	0600	5.3	11.7		10.5	50.0
	1000				4.0	
	1800	12.0				
	2200				11.3	14.0
091573	0300	5.8				5.3
	0600		24.0		8.3	3.0
	1100	7.8			3.5	5.0
091673	0600	19.1		48.5	13.3	
	1500				8.3	
	2100		14.5			
	2200				5.5	
091773	0500			23.5		
	0600	23.5				43.0
	1000	4.1				
	1700				19.0	
	2300	12.7				
091873	0300				10.0	
	0600	7.3				
	1600			35.0		
	1700		64.8			
	1900					36.8

PROCESS RUN LENGTH (HOURS)

(CONTINUED)

DATE	TIME	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
		16 CARBON COLUMN EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
091973	0600		13.0		14.8	
	1600			23.0		
092073	0300	18.5				
	1100	7.5				
	2100			25.5		26.2
092173	0300		44.5			
	1300				29.5	
	1900	14.5				
092273	0200		23.0			
	0400					82.0
	1000	14.5		37.0		
	1700			6.0		
092373	0000					13.5
	0100				20.5	
	0400				3.0	
	0500		26.5			
	1700			24.5		
092473	0300	32.5			8.5	
	0500		23.5			
	2200	6.5				32.5
092573	1400			45.3		
	2200		41.5		43.5	24.0
092673	0200				4.0	
	0700					9.5
	1100	37.0				
	2200	11.0				
092773	0300				19.0	
	0500			39.6		
	0600	8.3				23.0
	0700		32.5			
	1400			8.5		
092873	0000	9.5	16.6	10.0	6.0	8.5
50 PERCENT		11.5	19.5	24.0	11.5	21.7
10 PERCENT		32.8	44.8	47.5	23.0	58.0

AVERAGE PROCESS RUN RATE (GAL/FT2/MIN)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 11 FILTER EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 15 FILTER EFFLUENT
090373	1100	3.6				4.0
	2000					3.5
090473	0600					3.1
	1300	3.7				
	2300					3.8
090573	1000			3.7		
	1900	3.7				
090673	0300					3.6
	1100			3.7		
	1200		3.2			
	2200	3.8				
090773	0400					3.6
	0900		3.1			
	1900					3.5
	2300	3.7				
090873	0600			3.9		
090973	0100	3.9				
	0600		3.0			4.0
	1400					4.0
091073	0300					4.2
	0600			3.8		
	1400	3.8				
	1900					3.9
	2300					4.5
091173	1000					4.8
	1400	3.6		3.8		
	2100					5.0
091273	1000					3.9
	1300	3.8				
	2100					4.1
091373	0600			3.3		
	0700					3.3
	1000					4.4
	1500		3.1		3.0	
	1800	3.9				
091473	0400					3.8

AVERAGE PROCESS RUN RATE (GAL/FT2/MIN)

(CONTINUED)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 11 FILTER EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 15 FILTER EFFLUENT
091473	0900					3.9
	2100					3.9
091573	0600					4.0
	1200	4.2				
	1600			3.4		
091673	0600					3.9
	2200					3.9
091773	0600	3.9				
	2100					4.0
091873	1500			2.8	3.6	
	1600	3.3				
091973	1500					4.0
	1900		3.0			
	2300	4.0				
092173	0300	3.9				
	1300					4.0
	1600			3.9		
092273	0600					3.3
	1000	3.9				
	1700					3.7
092373	0100					3.6
	0900		3.0			
	1800			3.5		
	2200					4.1
092473	1100	3.8				
	2200					3.9
092573	1000				2.9	
	1400			3.8		
092673	0200					4.6
	0600	3.7				
	1400					3.8
092773	0200			3.7		
	1400	3.8				
	1900					4.1
50 PERCENT		3.8	3.0	3.7	3.0	3.9
10 PERCENT		4.0	0.0	3.9	0.0	4.5

AVERAGE PROCESS RUN RATE (GAL/FT2/MIN)

DATE	TIME	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	0300	2.3				
	0600					3.5
	1000				3.8	
	2000			3.3		3.4
090473	0900				3.6	
	1400		3.9			
090573	0200				3.3	
	0300			3.2		3.3
	0600		3.8			
	1300			3.0		
	1900		3.4			
	2200				3.4	
090673	0000					2.8
	0700			3.0		
	1200	3.3	3.4		3.9	
	2200	2.8		3.3		
090773	0400				3.7	
	0600	3.0				
	0800					3.0
	1000	2.7				
	1800	2.4				
	1900				3.5	
	2300		3.6			
090873	0600			3.2		
	1100				3.9	
	1400		3.9			
	1700	3.0				
	1900	3.0				
	2200	3.0		3.0		3.1
090973	0300	2.2				
	0500		2.9			
	0900				3.4	3.0
	1000		2.7			
	1400			3.0		
	1800				3.5	
091073	0600				3.9	3.0

AVERAGE PROCESS RUN RATE (GAL/FT2/MIN)

(CONTINUED)

DATE	TIME	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091073	1100		3.8			
	1200	2.8				
	1900				3.8	
091173	0300		3.9	2.9		
	0400					3.0
	1000	3.0			3.4	3.0
	1500				4.0	
091273	0300				3.6	
	0400					3.1
	1000				3.5	
	1400	3.0				
091373	1200				2.5	
	1800		3.9	3.1		
	1900	3.1				
	2000				3.8	
091473	0500			3.1		
	0600	3.2	4.0		4.0	2.9
	1000				3.5	
	1800	3.1				
	2200				3.7	2.4
091573	0300	3.0				3.1
	0600		3.9		3.9	0.0
	1100	3.0				3.1
091673	0600	3.1		3.1	4.0	
	1500				3.9	
	2100		4.0			
	2200				4.0	
091773	0500			3.0		
	0600	3.0				3.0
	1000	2.5				
	1700				3.7	
	2300	3.2				
091873	0300				3.8	
	0600	2.9				
	1600			2.9		
	1700		3.9			

AVERAGE PROCESS RUN RATE (GAL/FT2/MIN)

(CONTINUED)

DATE	TIME	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091873	1900					3.0
091973	0600		3.9		3.9	
	1600			3.0		
092073	0300	3.0				
	1100	3.0				
	2100			3.0		3.0
092173	0300		4.0			
	1300				4.0	
	1900	2.9				
092273	0200		3.9			
	0400					3.0
	1000	2.9		3.0		
	1700			2.9		
092373	0000					3.0
	0100				3.9	
	0500		3.9			
	1700			2.9		
092473	0300	3.0			3.6	
	0500		4.1			
	2200	2.9				3.0
092573	1400			2.9		
	2200		3.5		3.8	3.0
092673	0200				3.5	
	0700					3.0
	1100	2.9				
	2200	2.9				
092773	0300				3.8	
	0500			3.0		
	0600	2.8				3.1
	0700		3.7			
	1400			2.9		
092873	0000		4.0			
50 PERCENT		3.0	3.9	3.0	3.8	3.0
10 PERCENT		3.2	4.0	3.3	4.0	3.4

TOTAL PROCESS FLOW (GALS)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 11 FILTER EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 15 FILTER EFFLUENT
090373	1100	936				463
	2000					339
090473	0600					289
	1300	897				
	2300					641
090573	1000			2,680		
	1900	1,123				
090673	0300					1,020
	1100			925		
	1200		2,536			
	2200	1,008				
090773	0400					873
	0900		546			
	1900					499
	2300	925				
090873	0600			1,697		
090973	0100	1,009				
	0600		1,130			1,410
	1400					320
091073	0300					546
	0600			1,800		
	1400	1,464				
	1900					504
	2300					157
091173	1000					501

TOTAL PROCESS FLOW (GALS)

(CONTINUED)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
		8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	15 FILTER EFFLUENT
091173	1400	828		1,227		
	2100					578
091273	1000					477
	1300	898				
	2100					433
091373	0600			1,330		
	0700					294
	1000					131
	1500		5,176		6,879	
	1800	1,086				
091473	0400					1,065
	0900					197
	2100					434
091573	0600					320
	1200	794				
	1600			1,932		
091673	0600					507
	2200					473
091773	0600	1,645				
	2100					800
091873	1500			1,980	3,628	
	1600	1,124				
091973	1500					1,200
	1900		3,721			
	2300	1,340				

TOTAL PROCESS FLOW (GALS)

(CONTINUED)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
		8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	15 FILTER EFFLUENT
092173	0300	1,087				
	1300					940
	1600			2,832		
092273	0600					233
	1000	1,221				
	1700					259
092373	0100					268
	0900		2,179			
	1800			1,760		
	2200					803
092473	1100	1,831				
	2200					272
092573	0200					598
	1000				3,813	
	1400			1,648		
092673	0200					1,289
	0600	1,118				
	1400					432
092773	0200			1,289		
	1400	1,229				
	1900					1,177
092873	0000	390	2,722		1,613	
50 PERCENT		1,086	2,536	1,728	3,721	488
10 PERCENT		1,627	0	2,786	0	1,184

TOTAL PROCESS FLOW (GALS)

DATE	TIME	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	1000				538	
	2000					383
090473	0900				828	
	1400		1,745			
090573	0000				495	
	0200				4,950	
	0300			994		864
	0600		577			
	1300			252		
	1900		451			
	2200				534	
090673	0000					491
	0700			478		
	1200	2,906	667		581	
	2200	237		334		
090773	0400				597	
	0600	242				
	0800					806
	1000	105				
	1800	369				
	1900				417	
	2300		1,313			
090873	0600			819		
	1100				462	
	1400		566			
	1700	428				
	1900	50				
	2200	45		442		1,789
090973	0300	75				
	0500		412			
	0900				730	277
	1000		138			
	1400			403		
	1800				177	
091073	0600					535

TOTAL PROCESS FLOW (GALS)

(CONTINUED)

DATE	TIME	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091073	1100		956			
	1200	780				
	1900				439	
091173	0300		640	929		
	0400					558
	1000	560			498	158
	1500				200	
091273	0300				429	
	0400					580
	1000				246	
	1400	663				
091373	1200				663	
	1800		466	1,596		
	1900	729				
	2000				279	
091473	0500			309		
	0600	141	468		420	1,226
	1000				140	
	1800	309				
	2200				419	284
091573	0300	145				136
	0600		943		319	75
	1100	196				132
091673	0600	493		1,251	530	
	1500				327	
	2100		576			
	2200				220	
091773	0500			592		
	0600	598				1,100
	1000	86				
	1700				696	
	2300	340				
091873	0300				381	
	0600	179				
	1600			858		

TOTAL PROCESS FLOW (GALS)

(CONTINUED)

DATE	TIME	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091873	1700		2,544			
	1900					924
091973	0600		512		583	
	1600			679		
092073	0300	466				
	1100	189				
	2100			642		240
092173	0300		1,780			
	1300				1,180	
	1900	357				
092273	0200		892			
	0400					2,419
	1000	357		932		
	1700			144		
092373	0000					340
	0100				808	
	0500		1,028			
	1700			603		
092473	0300	819			304	
	0500		954			
	2200	156				819
092573	1400			1,124		
	2200		1,475		1,680	596
092673	0200				141	
	0700					242
	1100	913				
	2200	273				
092773	0300				732	
	0500			982		
	0600	199				607
	0700		1,208			
	1400			210		
092873	0000	239	672			214

FINAL HEAD LOSS (FILTER INCHES CC PSI)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 11 FILTER EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 15 FILTER EFFLUENT
090373	1100	6.0				5.0
	2000					7.0
090473	1300	5.5				
	2300					6.5
090573	1000			7.5		
	1900	7.5				
090673	0300					8.0
	1100			7.0		
	1200		4.0			
	2200	7.0				
090773	0400					13.0
	0900		6.0			
	1900					7.5
	2300	9.5				
090873	0600			6.0		
090973	0100	7.0				
	0600		5.0			7.0
	1400					8.0
091073	0300					9.0
	0600			5.0		11.0
	1400	7.0				
	1900					22.0
	2300					21.0
091173	1000					10.0
	1400	5.0		7.0		

FINAL HEAD LOSS (FILTER INCHES CC PSI)

(CONTINUED)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
		8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	15 FILTER EFFLUENT
091173	2100					24.0
091273	1000					22.0
	1300	6.0				
	2100					20.0
091373	0600			6.0		
	0700					13.5
	0900					11.0
	1000					19.0
	1500		4.0		2.0	
	1800	9.0				
091473	0400					9.0
	0900					10.0
	2100					20.0
091573	0600					0.5
	1000					25.0
	1200	8.0				
	1600			4.0		
091673	0600					8.0
	2200					9.0
091773	0600	7.0				
	2100					20.0
091873	1500			7.0	6.0	
	1600	6.4				
091973	1500					7.0
	1900		4.0			

FINAL HEAD LOSS (FILTER INCHES CC PSI)

(CONTINUED)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS
		8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	15 FILTER EFFLUENT
091973	2300	7.0				
092173	0300	6.0				
	1300					8.0
	1600			6.5		
092273	0600					8.0
	1000	9.0				
	1700					15.5
092373	0100					8.6
	0200					8.8
	0900		5.0			
	1800			6.5		
	2200					13.0
092473	1100	7.0				
	2200					10.5
092573	1000				6.0	
	1400			6.0		
092673	0200					6.8
	0600	7.8				
	1400					11.0
092773	0200			7.0		
	1400	6.0				
	1900					10.0
50 PERCENT		7.0	4.5	6.5	6.0	10.0
10 PERCENT		9.0	0.0	7.3	0.0	22.0

FINAL HEAD LOSS (FILTER INCHES CC PSI)

DATE	TIME	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
090373	0300	6.0				
	0600					6.0
	1000				7.8	
	2000			5.0		5.0
090473	1400		4.0			
090573	0200				10.2	
	0300			5.0		6.0
	0600		10.0			
	1300			6.0		
	1900		7.5			
	2200				13.2	
090673	0000					4.0
	0700			6.0		
	1200	10.0	8.0		8.0	
	2200	12.0		5.0		
090773	0400				7.5	
	0600	14.0				
	0800					2.0
	1000	8.0				
	1800	6.0				
	1900				10.0	
	2300		8.0		2.5	
090873	0600			6.0		
	1100				15.0	
	1400		7.0			
	1700	6.0				
	2200			8.0		7.0
090973	0300	8.0				
	0500		6.0			
	0900				9.0	5.0
	1000		8.0			
	1400			5.0		
	1800				13.5	
091073	0600					7.0
	1100		9.0			
	1200	8.0				

FINAL HEAD LOSS (FILTER INCHES CC PSI)

(CONTINUED)

DATE	TIME	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091073	1900				7.0	
091173	0300		3.5	9.0		
	0400					12.0
	1000	6.0			10.0	6.0
	1500				4.0	
091273	0300				10.0	
	0400					7.0
	1000				16.0	
	1400	6.0				
091373	1200				0.3	
	1800		6.0	5.0		
	1900	6.0				
	2000				9.0	
	2100				1.0	
091473	0500			5.0		
	0600	5.0	7.0		9.0	5.0
	1000				19.0	
	1800	6.0				
	2200				20.0	7.0
091573	0300	6.0				6.0
	0600		7.0		7.0	8.0
	1100	3.0			15.0	3.0
091673	0600	6.0		5.0	9.0	
	1500				10.0	
	2100		8.0			
	2200				12.0	
091773	0500			5.0		
	0600	7.0				5.0
	1000	6.0				
	1700				8.0	
	2300	6.0				
091873	0300				8.0	
	0600	6.0				
	1600			7.0		
	1700		7.0			
	1900					6.0

FINAL HEAD LOSS (FILTER INCHES CC PSI)

(CONTINUED)

DATE	TIME	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
091973	0600		9.0		9.0	
	1600			5.0		
092073	0300	8.0				
	1100	12.0				
	2100			4.0		5.0
092173	0300		5.5			
	1300				8.0	
	1900	12.0				
092273	0200		10.5			
	0400					10.0
	1000	6.0		6.0		
	1700			2.0		
092373	0000					5.0
	0100				8.8	
	0400				8.0	
	0500		8.8			
	1700			5.0		
092473	0300	13.0			8.0	
	0500		7.0			
	2200	9.0				8.0
092573	1400			5.0		
	2200		7.0		8.0	6.0
092673	0200				7.0	
	0700					8.0
	1100	7.0				
	2200	7.0				
092773	0300				7.2	
	0500			6.0		
	0600	6.0				7.0
	0700		8.5			
	1400			8.0		
092873	0000		2.0			
50 PERCENT		6.0	7.0	5.0	8.9	6.0
10 PERCENT		12.0	9.6	8.0	15.3	8.8

TOTAL PROCESS BACKWASH (GAL)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 11 FILTER EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 15 FILTER EFFLUENT
090373	1100	18				18
	2000					30
090473	0600					50
	1300	27				
	2300					32
090573	1000			28		
	1900	16				
090673	0300					49
	1100			13		
	1200		35			
	2200	17				
090773	0400					39
	0900		30			
	1900					25
	2300	21				
090873	0600			29		
090973	0100	33				
	0600		14			19
	1400					13
091073	0300					23
	0600			21		12
	1400	26				
	1900					16
	2300					154
091173	1000					53

TOTAL PROCESS BACKWASH (GAL)

(CONTINUED)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 11 FILTER EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 15 FILTER EFFLUENT
091173	1400	29		56		
	2100					31
091273	1000					16
	1300	17				
	2100					31
091373	0600			24		
	0700					34
	0900					27
	1000					43
	1500		77		57	
	1800	46				
091473	0400					30
	0900					52
	2100					50
091573	0600					100
	1000					12
	1200	17				
	1600			23		
091673	0600					32
	2200					24
091773	0600	20				
	2100					38
091873	1500			30	165	
	1600	15				
091973	1500					33

TOTAL PROCESS BACKWASH (GAL)

(CONTINUED)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	SE H.P.O. - A.S. PROCESS 11 FILTER EFFLUENT	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	SE FERRIC PROCESS 15 FILTER EFFLUENT
091973	1900		31			
	2300	18				
092173	0300	45				
	1300					32
	1600			18		
092273	0600					23
	1000	24				
	1700					54
092373	0100					21
	0200					14
	0900		20			
	1800			22		
	2200					19
092473	1100	25				
	2200					34
092573	1000				20	
	1400			21		
092673	0200					44
	0600	30				
	1400					29
092773	0200			32		
	1400	28				
	1900					76
50 PERCENT		24	30	23	57	31
10 PERCENT		45	0	49	0	54

TOTAL PROCESS BACKWASH (GAL)

DATE	TIME	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
		16 CARBON COLUMN EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
090373	0300	17.5				
	0600					18
	1000				9.9	
	2000			8.8		18
090473	1400		39.7			
090573	0200				23.9	
	0300			9.8		15
	0600		78.0			
	1300			6.0		
	1900		27.9			
	2200				45.0	
090673	0000					150
	0700			17.5		
	1200	35.0	30.0		21.0	
	2200	40.0		20.0		
090773	0400				57.0	
	0600	17.5				
	0800					53
	1000	12.0				
	1800	40.0				
	1900				39.0	
	2300		20.7		32.0	
090873	0600			7.0		
	1100				25.0	
	1400		77.0			
	1700	35.0				
	1900	15.0				
	2200	10.0		20.0		20
090973	0300	17.5				
	0500		33.2			
	0900				12.0	35
	1000		55.0			
	1400			17.5		
	1800				92.0	
091073	0600				25.0	25

TOTAL PROCESS BACKWASH (GAL)

(CONTINUED)

DATE	TIME	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
		16 CARBON COLUMN EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
091073	1100		55.0			
	1200	30.0				
	1900				45.0	
091173	0300		4.0	21.0		
	0400					21
	1000	20.0			44.0	30
	1500				87.0	
091273	0300				18.0	
	0400					27
	1000				17.0	
	1400	21.0				
091373	1200				45.0	
	1800		47.0	30.0		
	1900	16.5				
	2000				25.0	
	2100				12.0	
091473	0500			30.0		
	0600	25.0	40.0		45.0	30
	1000				50.0	
	1800	22.5				
	2200				41.0	35
091573	0300	25.0				50
	0600		92.0		30.0	30
	1100	10.0			30.0	40
091673	0600	60.0		30.0	55.0	
	1500				50.0	
	2200				43.0	
091773	0500			90.0		
	0600	120.0				90
	1000	15.0				
	1700				51.0	
	2300	30.0				
091873	0300				36.0	
	0600	60.0				
	1600			40.0		

TOTAL PROCESS BACKWASH (GAL)

(CONTINUED)

DATE	TIME	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS	SE HIGH ALUM PROCESS
		16 CARBON COLUMN EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
091873	1700		106.0			
	1900					40
091973	0600		70.0		45.0	
	1600			15.0		
092073	0300	30.0				
	1100	60.0				
	2100			15.0		15
092173	0300		24.0			
	1300				66.0	
	1900	18.0				
092273	0200		37.0			
	0400					30
	1000	22.5		40.0		
	1700			30.0		
092373	0000					40
	0100				54.0	
	0400				31.0	
	0500		126.0			
	1700			21.0		
092473	0300	20.0			29.0	
	0500		27.0			
	2200	30.0				27
092573	1400			22.5		
	2200		47.0		45.0	45
092673	0200				46.0	
	0700					40
	1100	24.0				
	2200	20.0				
092773	0300				49.0	
	0500			12.0		
	0600	36.0				36
	0700		80.0			
	1400			30.0		

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.C. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
		8 FILTER EFFLUENT	11 FILTER EFFLUENT	15 FILTER EFFLUENT	22 FILTER EFFLUENT	29 FILTER EFFLUENT
090373	1000					0.6
	1100	4.6		0.1		
	2000			0.1		
090473	1300	1.7				
	1400				0.3	
	2300			0.1		
090573	0200					0.2
	0600				0.3	
	1000		0.1			
	1900	0.8			0.3	
	2200					0.1
090673	0300			0.1		
	1100		20.0			
	1200				0.4	4.0
	2200	1.8				
090773	0400			0.4		2.0
	1900			3.8		5.3
	2300	1.0			0.8	7.0
090873	0600		30.0			
	1100					1.2
	1400				1.0	
090973	0100	0.7				
	0500				1.5	
	0600			0.2		
	0900					0.7
	1000				0.2	
	1400			6.5		
	1800					2.3
091073	0300			0.8		
	0600		11.0	0.3		
	1100				0.3	
	1400	2.0				
	1900			7.0		14.0
	2300			6.0		
091173	0300				4.3	

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

(CONTINUED)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
		8 FILTER EFFLUENT	11 FILTER EFFLUENT	15 FILTER EFFLUENT	22 FILTER EFFLUENT	29 FILTER EFFLUENT
091173	1000			8.0		1.2
	1400	1.9	15.0			
	1500					0.8
	2100			1.0		
091273	0300					4.0
	1000			0.3		2.1
	1300	2.5				
	2100			30.0		
091373	0600		14.0			
	0700			0.1		
	0900			0.5		
	1000			1.3		
	1200					23.0
	1800	3.0			1.0	
	2000					10.0
	2100					0.5
091473	0400			0.1		
	0600				0.5	1.0
	0900			0.5		
	1000					5.0
	2100			3.0		
	2200					2.0
091573	0600			0.4	0.4	0.5
	1000			0.3		
	1100					8.0
	1200	0.9				
	1600		20.0			
091673	0600			0.4		0.2
	1500					4.2
	2100				0.2	
	2200			0.7		0.9
091773	0600	1.0				
	1700					4.2
	2100			1.5		
091873	0300					2.7

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

(CONTINUED)

DATE	TIME	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	SE H.P.O. - A.S. PROCESS	SE FERRIC PROCESS	SE FERRIC PLUS LIME PROCESS	SE HIGH ALUM PROCESS
		8 FILTER EFFLUENT	11 FILTER EFFLUENT	15 FILTER EFFLUENT	22 FILTER EFFLUENT	29 FILTER EFFLUENT
091873	1500		9.0			
	1600	1.0				
	1700				0.6	
091973	0600				0.3	3.0
	1500			2.1		
	2300	3.2				
092173	0300	0.8			0.4	
	1300			5.0		2.0
	1600		9.0			
092273	0200				0.3	
	0600			6.0		
	1000	0.3				
	1700			2.7		
092373	0100			1.3		0.1
	0200			7.0		
	0500				0.4	
	1800		14.0			
	2200			1.7		
092473	0500				0.1	
	1100	0.5				
	2200			3.0		
092573	1400		15.0			
	2200				0.6	13.0
092673	0200			2.6		0.3
	0600	0.5				
	1400			1.5		
092773	0200		17.0			
	0300					0.5
	1400	0.8				
	1900			2.5		
092873	0000				0.3	
50 PERCENT		1.0	14.5	1.3	0.4	2.0
10 PERCENT		3.2	27.0	7.0	1.3	11.5

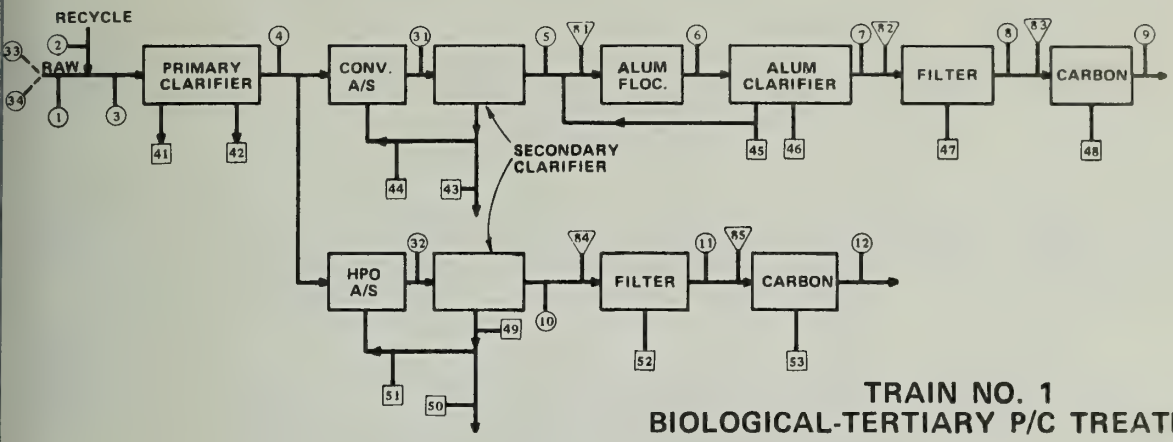
APPENDIX J

SOUTHEAST TEST DATA

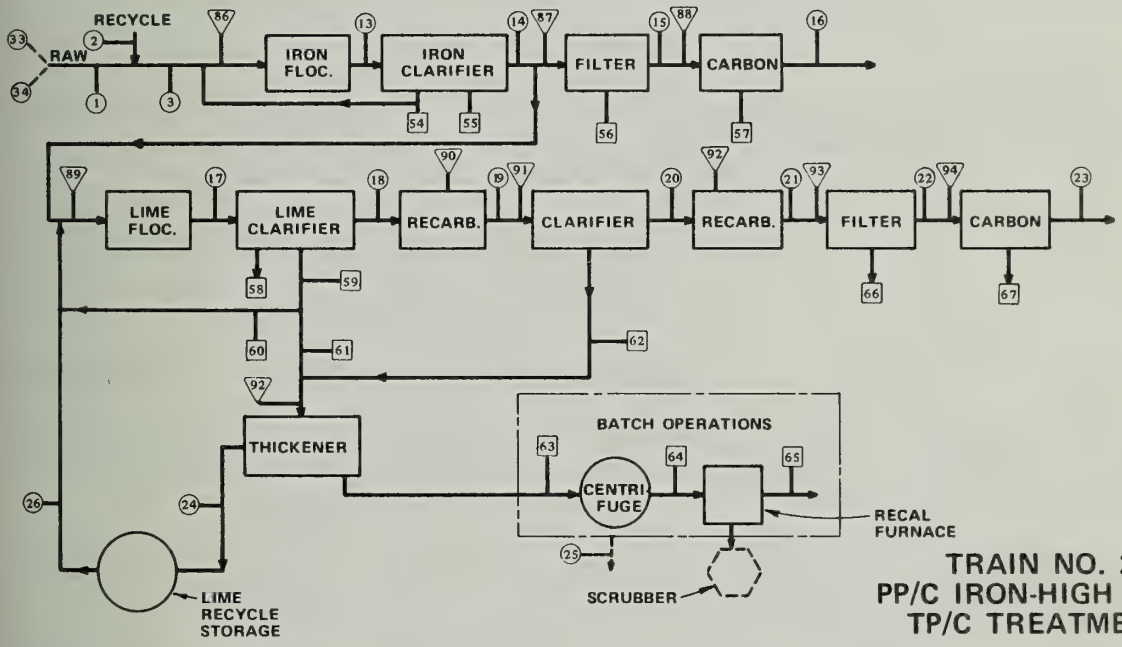
COEFFICIENT OF RELIABILITY

LOW LEVEL (50%) REQUIREMENTS

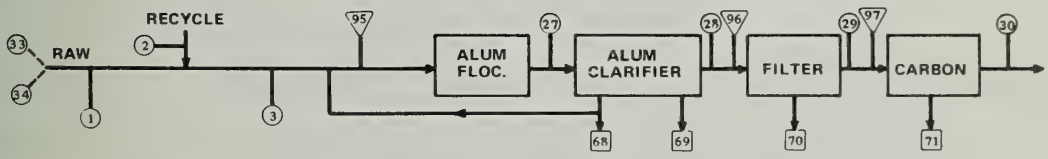
	Page
Arsenic	1
Cadmium	4
Total Chromium	8
Copper	12
Cyanide	16
Lead	20
Mercury	24
Nickel	27
Silver	31
Zinc	35
5-Day BOD	39
Oil and Grease	43
Phenol	51
Ammonia-Nitrogen	55
Floatables	59
Settleable Solids	63
Total Suspended Solids	67
Average Turbidity	79
96-Hour - Toxicity Units	87
Total Chlroinated Hydrocarbons	90



TRAIN NO. 1
BIOLOGICAL-TERTIARY P/C TREATMENT



TRAIN NO. 2
PP/C IRON-HIGH LIME
TP/C TREATMENT



TRAIN NO. 3
TERTIARY PHYSICAL/CHEMICAL TREATMENT

NOTES:

- ① TO ㉞ LIQUID STREAM DATA POINTS
- 41 TO 71 SOLID OR WASTE DATA POINTS
- ▽81 TO ▽97 CHEMICAL ADDITION POINTS
- ---- INDICATES NP + SE
- ㉝ SE RAW
- ㉞ NP RAW

SOUTHEAST PILOT PLANT
PROCESS TRAINS AND DATA COLLECTION POINTS

KEY

DATA REVIEW (RVEW) AND CORRELATION COEFFICIENT (CORL) OUTPUT

SE — Phase of Pilot Plant Study during which waste treatment alternatives were investigated for Southeast sewage.

NP+ SE — Phase of Pilot Plant during which waste treatment alternatives were investigated for North Point (75%) plus Southeast (25%) combined sewage.

Date — Date of Sample collection

Non-Specific Process - Sample stations not associated with a particular treatment process. Normally raw sewage or preliminary treated effluent.

A.S. — Activated Sludge Process

H.P.O. — High Purity Oxygen Process

50 Percent - Median value of data set

10 Percent - Value at which 10 percent of the ordered data values are larger and 90 percent of the data values are smaller.

Range (R) - Constituent range of middle 80% of data. Used in calculation of the coefficient of reliability.

Displacement (d) - Constituent displacement from 10 percentile number and given standard.

Standard(s) - Regulatory Standard to which data is compared.

Coefficient of Reliability (Cr) - Arbitrary index to measure efficiency of removal for given constituent and treatment process. Computed from $CR = \frac{1}{R} \times d$. Has range of $-\infty$ to $+\infty$. Negative values indicate noncompliance with standard.

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	90.00	1.0	90.00	1.0	90.00	1.0	90.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.0	70.00	1.0	70.00	1.0	70.00	1.0	70.00
1.9	60.00	1.0	60.00	2.0	60.00	1.0	60.00
2.0	50.00	1.0	50.00	2.0	50.00	1.0	50.00
2.0	40.00	1.0	40.00	2.0	40.00	1.9	40.00
2.0	30.00	1.0	30.00	2.0	30.00	2.0	30.00
3.0	20.00	2.0	20.00	2.0	20.00	2.0	20.00
4.0	10.00	2.0	10.00	4.0	10.00	2.0	10.00
STANDARD	10.0		10.0		10.0		10.0
NUMBER	10		10		10		10
RANGE	3.00		1.00		3.00		1.00
DISPLACEMENT	6.00		8.00		6.00		8.00
COEF REL	2.0000		8.0000		2.0000		8.0000

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	90.00	1.0	90.00	1.0	90.00	1.0	90.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.0	70.00	1.0	70.00	1.0	70.00	1.0	70.00
1.0	60.00	1.0	60.00	1.0	60.00	1.0	60.00
1.0	50.00	1.0	50.00	1.0	50.00	1.0	50.00
1.0	40.00	1.2	40.00	1.0	40.00	1.0	40.00
2.0	30.00	2.0	30.00	1.0	30.00	1.0	30.00
2.0	20.00	2.0	20.00	2.0	20.00	2.0	20.00
2.0	10.00	2.0	10.00	2.0	10.00	2.0	10.00
STANDARD	10.0		10.0		10.0		10.0
NUMBER	10		10		10		10
RANGE	1.00		1.00		1.00		1.00
DISPLACEM	8.00		8.00		8.00		8.00
COEF REL	8.0000		8.0000		8.0000		8.0000

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00
1.0	90.00	1.0	90.00
1.0	80.00	1.0	80.00
1.0	70.00	1.0	70.00
1.0	60.00	1.0	60.00
1.0	50.00	1.0	50.00
1.4	40.00	1.0	40.00
2.0	30.00	1.0	30.00
2.0	20.00	2.0	20.00
2.0	10.00	2.0	10.00
STANDARD	10.0		10.0
NUMBER	10		10
RANGE	1.00		1.00
DISPLACEM	8.00		8.00
COEF REL	8.0000		8.0000

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	96.00	1.0	96.00	1.0	96.00	1.0	96.00
1.0	92.00	1.0	92.00	1.0	92.00	1.0	92.00
1.0	88.00	1.0	88.00	1.0	88.00	1.0	88.00
1.0	84.00	1.0	84.00	1.0	84.00	1.0	84.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.0	76.00	1.0	76.00	1.0	76.00	1.0	76.00
1.0	72.00	1.0	72.00	1.0	72.00	1.0	72.00
1.0	68.00	1.0	68.00	1.0	68.00	1.0	68.00
1.0	64.00	1.0	64.00	1.0	64.00	1.0	64.00
1.0	60.00	1.0	60.00	1.0	60.00	1.0	60.00
1.0	56.00	1.0	56.00	1.0	56.00	1.0	56.00
1.0	52.00	1.0	52.00	1.0	52.00	1.0	52.00
1.0	48.00	1.0	48.00	1.0	48.00	1.0	48.00
1.0	44.00	1.0	44.00	1.0	44.00	1.0	44.00
1.0	40.00	1.0	40.00	1.0	40.00	1.0	40.00
1.0	36.00	1.0	36.00	1.0	36.00	1.0	36.00
1.0	32.00	1.0	32.00	1.0	32.00	1.0	32.00
1.0	28.00	1.0	28.00	1.1	28.00	1.0	28.00
1.0	24.00	1.0	24.00	1.1	24.00	1.0	24.00
1.1	20.00	1.0	20.00	1.2	20.00	1.0	20.00
1.2	16.00	1.0	16.00	1.4	16.00	1.0	16.00
1.2	12.00	1.0	12.00	1.5	12.00	1.0	12.00
1.7	8.00	1.0	8.00	1.6	8.00	1.0	8.00
2.0	4.00	1.0	4.00	1.7	4.00	1.2	4.00
STANDARD	20.0		20.0		20.0		20.0
NUMBER	25		25		25		25
RANGE	0.45		0.00		0.55		0.00
DISPLACEMENT	18.55		19.00		18.45		19.00
COEF REL	41.2222		9999.9968		33.5454		9999.9968

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	96.00	1.0	96.00	1.0	96.00	1.0	96.00
1.0	92.00	1.0	92.00	1.0	92.00	1.0	92.00
1.0	88.00	1.0	88.00	1.0	88.00	1.0	88.00
1.0	84.00	1.0	84.00	1.0	84.00	1.0	84.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.0	76.00	1.0	76.00	1.0	76.00	1.0	76.00
1.0	72.00	1.0	72.00	1.0	72.00	1.0	72.00
1.0	68.00	1.0	68.00	1.0	68.00	1.0	68.00
1.0	64.00	1.0	64.00	1.0	64.00	1.0	64.00
1.0	60.00	1.0	60.00	1.0	60.00	1.0	60.00
1.0	56.00	1.0	56.00	1.0	56.00	1.0	56.00
1.0	52.00	1.0	52.00	1.0	52.00	1.0	52.00
1.0	48.00	1.0	48.00	1.0	48.00	1.0	48.00
1.0	44.00	1.0	44.00	1.0	44.00	1.0	44.00
1.0	40.00	1.0	40.00	1.0	40.00	1.0	40.00

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.0	36.00	1.0	36.00	1.0	36.00	1.0	36.00
1.0	32.00	1.0	32.00	1.0	32.00	1.0	32.00
1.0	28.00	1.0	28.00	1.0	28.00	1.0	28.00
1.0	24.00	1.0	24.00	1.0	24.00	1.0	24.00
1.0	20.00	1.0	20.00	1.0	20.00	1.0	20.00
1.0	16.00	1.0	16.00	1.2	16.00	1.0	16.00
1.1	12.00	1.0	12.00	1.8	12.00	1.0	12.00
2.0	8.00	1.0	8.00	2.0	8.00	1.0	8.00
2.3	4.00	1.0	4.00	3.1	4.00	1.0	4.00
STANDARD	20.0		20.0		20.0		20.0
NUMBER	25		25		25		25
RANGE	0.55		0.00		0.90		0.00
DISPLACEM	18.45		19.00		18.10		19.00
COEF REL	33.5454		9999.9968		20.1111		9999.9968

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
1.0	100.00	1.0	100.00
1.0	96.00	1.0	96.00
1.0	92.00	1.0	92.00
1.0	88.00	1.0	88.00
1.0	84.00	1.0	84.00
1.0	80.00	1.0	80.00
1.0	76.00	1.0	76.00
1.0	72.00	1.0	72.00
1.0	68.00	1.0	68.00
1.0	64.00	1.0	64.00
1.0	60.00	1.0	60.00
1.0	56.00	1.0	56.00
1.0	52.00	1.0	52.00
1.0	48.00	1.0	48.00
1.0	44.00	1.0	44.00
1.0	40.00	1.0	40.00
1.0	36.00	1.0	36.00
1.0	32.00	1.0	32.00
1.0	28.00	1.0	28.00
1.0	24.00	1.0	24.00
1.0	20.00	1.0	20.00
1.1	16.00	1.0	16.00
1.3	12.00	1.0	12.00
1.7	8.00	1.0	8.00
2.3	4.00	1.0	4.00
STANDARD	20.0		20.0
NUMBER	25		25
RANGE	0.50		0.00
DISPLACEM	18.50		19.00
COEF REL	37.0000		9999.9968

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
25	100.00	1.0	100.00	80	100.00	15	100.00
43	96.00	1.5	96.00	83	96.00	15	96.00
48	92.00	7.0	92.00	130	92.00	18	92.00
53	88.00	7.0	88.00	140	88.00	22	88.00
55	84.00	7.5	84.00	150	84.00	24	84.00
58	80.00	7.5	80.00	150	80.00	27	80.00
59	76.00	7.5	76.00	150	76.00	31	76.00
61	72.00	8.0	72.00	150	72.00	34	72.00
63	68.00	8.0	68.00	160	68.00	38	68.00
78	64.00	11.0	64.00	170	64.00	38	64.00
90	60.00	12.0	60.00	170	60.00	38	60.00
92	56.00	13.0	56.00	210	56.00	40	56.00
95	52.00	18.0	52.00	210	52.00	45	52.00
96	48.00	23.0	48.00	220	48.00	50	48.00
130	44.00	25.0	44.00	220	44.00	51	44.00
140	40.00	30.0	40.00	230	40.00	59	40.00
150	36.00	30.0	36.00	230	36.00	60	36.00
250	32.00	38.0	32.00	250	32.00	61	32.00
260	28.00	40.0	28.00	250	28.00	77	28.00
270	24.00	47.0	24.00	270	24.00	78	24.00
280	20.00	57.0	20.00	300	20.00	100	20.00
280	16.00	65.0	16.00	311	16.00	120	16.00
280	12.00	120.0	12.00	370	12.00	120	12.00
370	8.00	210.0	8.00	550	8.00	130	8.00
550	4.00	400.0	4.00	590	4.00	140	4.00
STANDARD	5		5.0		5		5
NUMBER	25		25		25		25
RANGE	274.5		158.00		325.0		105.0
DISPLACEMENT	-320.0		-160.00		-455.0		-120.0
COEF REL	-1.1658		-1.0127		-1.4000		-1.1429

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
19	100.00	4.5	100.00	5.5	100.00	2.5	100.00
20	96.00	6.5	96.00	6.0	96.00	5.0	96.00
29	92.00	6.5	92.00	10.0	92.00	7.5	92.00
32	88.00	7.5	88.00	11.0	88.00	7.5	88.00
45	84.00	7.5	84.00	11.0	84.00	8.0	84.00
52	80.00	9.0	80.00	14.0	80.00	8.5	80.00
62	76.00	10.0	76.00	15.0	76.00	8.5	76.00
70	72.00	11.0	72.00	22.0	72.00	16.0	72.00
73	68.00	12.0	68.00	24.0	68.00	16.0	68.00
84	64.00	20.0	64.00	24.0	64.00	19.0	64.00
88	60.00	23.0	60.00	25.0	60.00	20.0	60.00
91	56.00	23.0	56.00	25.0	56.00	20.0	56.00
93	52.00	25.0	52.00	25.0	52.00	21.0	52.00
100	48.00	33.0	48.00	30.0	48.00	21.0	48.00
100	44.00	38.0	44.00	34.0	44.00	23.0	44.00
110	40.00	40.0	40.00	34.0	40.00	23.0	40.00

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
120	36.00	40.0	36.00	38.0	36.00	30.0	36.00
120	32.00	40.0	32.00	38.0	32.00	32.0	32.00
120	28.00	43.0	28.00	50.0	28.00	34.0	28.00
120	24.00	44.0	24.00	50.0	24.00	36.0	24.00
130	20.00	49.0	20.00	53.0	20.00	40.0	20.00
170	16.00	70.0	16.00	80.0	16.00	50.0	16.00
180	12.00	78.0	12.00	83.0	12.00	63.0	12.00
200	8.00	83.0	8.00	99.0	8.00	70.0	8.00
280	4.00	95.0	4.00	110.0	4.00	140.0	4.00
STANDARD	5		5.0		5.0		5.0
NUMBER	25		25		25		25
RANGE	159.5		73.50		80.50		59.00
DISPLACEM	-185.0		-75.50		-86.00		-61.50
COEF REL	-1.1599		-1.0272		-1.0683		-1.0424

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
33	100.00	8.0	100.00
38	96.00	8.5	96.00
38	92.00	9.0	92.00
39	88.00	10.0	88.00
47	84.00	12.0	84.00
53	80.00	13.0	80.00
55	76.00	15.0	76.00
60	72.00	16.0	72.00
70	68.00	21.0	68.00
86	64.00	23.0	64.00
90	60.00	24.0	60.00
93	56.00	25.0	56.00
98	52.00	26.0	52.00
100	48.00	28.0	48.00
110	44.00	31.0	44.00
110	40.00	36.0	40.00
120	36.00	37.0	36.00
130	32.00	40.0	32.00
150	28.00	41.0	28.00
150	24.00	48.0	24.00
160	20.00	55.0	20.00
160	16.00	62.0	16.00
180	12.00	80.0	12.00
240	8.00	93.0	8.00
770	4.00	300.0	4.00
STANDARD	5		5.0
NUMBER	25		25
RANGE	171.5		77.00
DISPLACEM	-205.0		-81.50
COEF REL	-1.1953		-1.0584

COPPER MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
5.0	100.00	5.0	100.00	10.0	100.00	5.0	100.00
5.0	96.00	5.0	96.00	12.0	96.00	5.0	96.00
5.0	92.00	5.0	92.00	12.0	92.00	5.0	92.00
5.0	88.00	5.0	88.00	14.0	88.00	5.0	88.00
5.0	84.00	5.0	84.00	14.0	84.00	5.0	84.00
7.0	80.00	5.0	80.00	15.0	80.00	5.0	80.00
8.5	76.00	5.0	76.00	15.0	76.00	5.0	76.00
9.0	72.00	5.0	72.00	16.0	72.00	5.0	72.00
10.0	68.00	5.0	68.00	17.0	68.00	5.0	68.00
10.0	64.00	5.0	64.00	17.0	64.00	5.0	64.00
10.0	60.00	5.0	60.00	18.0	60.00	5.0	60.00
10.0	56.00	5.0	56.00	18.0	56.00	5.0	56.00
11.0	52.00	5.0	52.00	18.0	52.00	5.0	52.00
11.0	48.00	5.0	48.00	18.0	48.00	5.3	48.00
11.0	44.00	5.0	44.00	18.0	44.00	6.0	44.00
13.0	40.00	5.0	40.00	19.0	40.00	6.0	40.00
13.0	36.00	5.0	36.00	20.0	36.00	6.5	36.00
15.0	32.00	5.0	32.00	20.0	32.00	6.5	32.00
15.0	28.00	5.5	28.00	25.0	28.00	10.0	28.00
15.0	24.00	8.0	24.00	25.0	24.00	10.0	24.00
16.0	20.00	10.0	20.00	27.0	20.00	10.0	20.00
16.0	16.00	10.0	16.00	30.0	16.00	12.0	16.00
20.0	12.00	14.0	12.00	30.0	12.00	12.0	12.00
34.0	8.00	16.0	8.00	34.0	8.00	14.0	8.00
55.0	4.00	18.0	4.00	35.0	4.00	14.0	4.00
STANDARD	200.0		200.0		200.0		200.0
NUMBER	25		25		25		25
RANGE	22.00		10.00		19.00		8.00
DISPLACEMENT	173.00		185.00		168.00		187.00
COEF REL	7.8636		18.5000		8.8421		23.3750

COPPER MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
7.5	100.00	5.0	100.00	5.0	100.00	5.0	100.00
7.5	96.00	5.0	96.00	5.0	96.00	5.0	96.00
8.0	92.00	5.0	92.00	5.0	92.00	5.0	92.00
10.0	88.00	5.0	88.00	5.0	88.00	5.0	88.00
10.0	84.00	5.0	84.00	5.0	84.00	5.0	84.00
11.0	80.00	5.0	80.00	5.0	80.00	5.0	80.00
12.0	76.00	5.0	76.00	5.0	76.00	5.0	76.00
13.0	72.00	5.0	72.00	5.0	72.00	5.0	72.00
13.0	68.00	5.0	68.00	5.0	68.00	5.0	68.00
13.0	64.00	5.0	64.00	5.0	64.00	5.0	64.00
13.0	60.00	5.5	60.00	5.0	60.00	5.0	60.00
14.0	56.00	6.5	56.00	5.0	56.00	5.0	56.00
15.0	52.00	7.5	52.00	5.0	52.00	5.0	52.00
15.0	48.00	7.5	48.00	5.0	48.00	5.0	48.00
15.0	44.00	8.0	44.00	5.5	44.00	5.0	44.00
16.0	40.00	8.0	40.00	6.0	40.00	5.0	40.00

COPPER MICRO-G/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
17.0	36.00	8.5	36.00	6.0	36.00	5.5	36.00
17.0	32.00	10.0	32.00	6.5	32.00	6.0	32.00
17.0	28.00	13.0	28.00	8.5	28.00	6.0	28.00
21.0	24.00	13.0	24.00	9.0	24.00	6.0	24.00
23.0	20.00	15.0	20.00	11.0	20.00	7.0	20.00
25.0	16.00	15.0	16.00	13.0	16.00	9.0	16.00
25.0	12.00	20.0	12.00	13.0	12.00	10.0	12.00
26.0	8.00	23.0	8.00	14.0	8.00	11.0	8.00
34.0	4.00	34.0	4.00	17.0	4.00	18.0	4.00
STANDARD	200.0		200.0		200.0		200.0
NUMBER	25		25		25		25
RANGE	16.50		16.50		8.50		5.50
DISPLACEM	174.50		178.50		186.50		189.50
COEF REL	10.5758		10.8182		21.9412		34.4545

COPPER MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
9.5	100.00	5.0	100.00
9.5	96.00	5.0	96.00
10.0	92.00	5.0	92.00
10.0	88.00	5.5	88.00
10.0	84.00	5.5	84.00
12.0	80.00	6.0	80.00
13.0	76.00	7.0	76.00
14.0	72.00	7.0	72.00
14.0	68.00	7.5	68.00
14.0	64.00	7.5	64.00
14.0	60.00	8.0	60.00
15.0	56.00	8.0	56.00
15.0	52.00	8.0	52.00
15.0	48.00	8.5	48.00
15.0	44.00	9.0	44.00
15.0	40.00	9.0	40.00
20.0	36.00	9.5	36.00
24.0	32.00	10.0	32.00
25.0	28.00	11.0	28.00
27.0	24.00	11.0	24.00
28.0	20.00	12.0	20.00
29.0	16.00	14.0	16.00
37.0	12.00	14.0	12.00
39.0	8.00	15.0	8.00
39.0	4.00	31.0	4.00
STANDARD	200.0		200.0
NUMBER	25		25
RANGE	28.00		9.25
DISPLACEM	162.00		185.50
COEF REL	5.7857		20.0541

CYANIDE MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE M.P.O. - A.S. PROCESS 10 M.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE M.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.01	100.00	0.01	100.00	0.01	100.00	0.01	100.00
0.01	96.00	0.01	96.00	0.01	96.00	0.01	96.00
0.01	92.00	0.01	92.00	0.01	92.00	0.01	92.00
0.01	88.00	0.01	88.00	0.01	88.00	0.01	88.00
0.01	84.00	0.01	84.00	0.01	84.00	0.01	84.00
0.01	80.00	0.01	80.00	0.01	80.00	0.01	80.00
0.01	76.00	0.01	76.00	0.01	76.00	0.01	76.00
0.01	72.00	0.01	72.00	0.01	72.00	0.01	72.00
0.01	68.00	0.01	68.00	0.01	68.00	0.01	68.00
0.01	64.00	0.01	64.00	0.01	64.00	0.01	64.00
0.01	60.00	0.01	60.00	0.01	60.00	0.01	60.00
0.01	56.00	0.01	56.00	0.01	56.00	0.01	56.00
0.01	52.00	0.01	52.00	0.01	52.00	0.01	52.00
0.01	48.00	0.01	48.00	0.01	48.00	0.01	48.00
0.01	44.00	0.01	44.00	0.01	44.00	0.01	44.00
0.01	40.00	0.01	40.00	0.01	40.00	0.01	40.00
0.01	36.00	0.01	36.00	0.01	36.00	0.01	36.00
0.01	32.00	0.01	32.00	0.01	32.00	0.01	32.00
0.01	28.00	0.01	28.00	0.01	28.00	0.01	28.00
0.01	24.00	0.01	24.00	0.01	24.00	0.01	24.00
0.01	20.00	0.01	20.00	0.02	20.00	0.01	20.00
0.01	16.00	0.01	16.00	0.02	16.00	0.01	16.00
0.02	12.00	0.01	12.00	0.02	12.00	0.01	12.00
0.02	8.00	0.01	8.00	0.02	8.00	0.01	8.00
0.03	4.00	0.01	4.00	0.02	4.00	0.03	4.00
STANDARD	0.10		0.10		0.10		0.10
NUMBER	25		25		25		25
RANGE	0.010		0.000		0.010		0.000
DISPLACEMENT	0.080		0.090		0.080		0.090
COEF REL	8.0000		9999.9968		8.0000		9999.9968

CYANIDE MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.01	100.00	0.01	100.00	0.01	100.00	0.01	100.00
0.01	96.00	0.01	96.00	0.01	96.00	0.01	96.00
0.01	92.00	0.01	92.00	0.01	92.00	0.01	92.00
0.01	88.00	0.01	88.00	0.01	88.00	0.01	88.00
0.01	84.00	0.01	84.00	0.01	84.00	0.01	84.00
0.01	80.00	0.01	80.00	0.01	80.00	0.01	80.00
0.01	76.00	0.01	76.00	0.01	76.00	0.01	76.00
0.01	72.00	0.01	72.00	0.02	72.00	0.01	72.00
0.01	68.00	0.01	68.00	0.02	68.00	0.01	68.00
0.01	64.00	0.01	64.00	0.02	64.00	0.01	64.00
0.01	60.00	0.01	60.00	0.02	60.00	0.01	60.00
0.01	56.00	0.01	56.00	0.02	56.00	0.01	56.00
0.01	52.00	0.01	52.00	0.02	52.00	0.01	52.00
0.01	48.00	0.01	48.00	0.02	48.00	0.01	48.00
0.01	44.00	0.01	44.00	0.02	44.00	0.01	44.00
0.02	40.00	0.01	40.00	0.02	40.00	0.01	40.00

CYANIDE MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.02	36.00	0.01	36.00	0.02	36.00	0.01	36.00
0.03	32.00	0.02	32.00	0.02	32.00	0.01	32.00
0.03	28.00	0.02	28.00	0.03	28.00	0.02	28.00
0.03	24.00	0.02	24.00	0.03	24.00	0.02	24.00
0.04	20.00	0.02	20.00	0.03	20.00	0.02	20.00
0.04	16.00	0.03	16.00	0.04	16.00	0.02	16.00
0.06	12.00	0.03	12.00	0.04	12.00	0.03	12.00
0.06	8.00	0.06	8.00	0.06	8.00	0.05	8.00
0.08	4.00	0.07	4.00	0.14	4.00	0.06	4.00
STANDARD	0.10		0.10		0.10		0.10
NUMBER	25		25		25		25
RANGE	0.050		0.035		0.040		0.030
DISPLACEM	0.040		0.055		0.050		0.060
COEF REL	0.8000		1.5714		1.2500		2.0000

CYANIDE MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PRCCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.01	100.00	0.01	100.00
0.01	96.00	0.01	96.00
0.01	92.00	0.01	92.00
0.01	88.00	0.01	88.00
0.01	84.00	0.01	84.00
0.01	80.00	0.01	80.00
0.01	76.00	0.01	76.00
0.01	72.00	0.01	72.00
0.01	68.00	0.01	68.00
0.01	64.00	0.01	64.00
0.01	60.00	0.01	60.00
0.02	56.00	0.01	56.00
0.02	52.00	0.01	52.00
0.02	48.00	0.01	48.00
0.03	44.00	0.01	44.00
0.04	40.00	0.01	40.00
0.04	36.00	0.02	36.00
0.04	32.00	0.03	32.00
0.04	28.00	0.03	28.00
0.05	24.00	0.03	24.00
0.06	20.00	0.03	20.00
0.06	16.00	0.03	16.00
0.07	12.00	0.03	12.00
0.08	8.00	0.06	8.00
0.15	4.00	0.06	4.00
STANDARD	0.10		0.10
NUMBER	25		25
RANGE	0.065		0.035
DISPLACEM	0.025		0.055
COEF REL	0.3846		1.5714

LEAD MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
5.0	100.00	4.0	100.00	5.0	100.00	5.0	100.00
5.0	96.00	5.0	96.00	8.5	96.00	5.0	96.00
5.0	92.00	5.0	92.00	10.0	92.00	5.0	92.00
5.0	88.00	5.0	88.00	10.0	88.00	5.0	88.00
5.0	84.00	5.0	84.00	12.0	84.00	5.0	84.00
6.0	80.00	5.0	80.00	13.0	80.00	5.0	80.00
6.0	76.00	5.0	76.00	13.0	76.00	5.0	76.00
6.5	72.00	5.0	72.00	13.0	72.00	5.0	72.00
7.0	68.00	5.0	68.00	13.0	68.00	5.0	68.00
10.0	64.00	5.0	64.00	14.0	64.00	5.0	64.00
15.0	60.00	5.0	60.00	15.0	60.00	5.0	60.00
16.0	56.00	5.0	56.00	18.0	56.00	5.0	56.00
17.0	52.00	5.0	52.00	19.0	52.00	5.0	52.00
18.0	48.00	6.5	48.00	20.0	48.00	5.0	48.00
18.0	44.00	7.5	44.00	21.0	44.00	5.5	44.00
18.0	40.00	7.5	40.00	21.0	40.00	5.5	40.00
19.0	36.00	9.0	36.00	21.0	36.00	6.0	36.00
19.0	32.00	10.0	32.00	25.0	32.00	7.0	32.00
20.0	28.00	10.0	28.00	29.0	28.00	10.0	28.00
21.0	24.00	10.0	24.00	30.0	24.00	10.0	24.00
23.0	20.00	13.0	20.00	30.0	20.00	11.0	20.00
23.0	16.00	13.0	16.00	31.0	16.00	14.0	16.00
40.0	12.00	14.0	12.00	33.0	12.00	14.0	12.00
48.0	8.00	19.0	8.00	33.0	8.00	15.0	8.00
480.0	4.00	40.0	4.00	60.0	4.00	75.0	4.00
STANDARD	100.0		100.0		100.0		100.0
NUMBER	25		25		25		25
RANGE	39.00		11.50		23.00		9.50
DISPLACEMENT	56.00		83.50		67.00		85.50
COEF REL	1.4359		7.2609		2.9130		9.0000

LEAD MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
5.0	100.00	5.0	100.00	4.0	100.00	5.0	100.00
5.0	96.00	5.0	96.00	5.0	96.00	5.0	96.00
5.0	92.00	5.0	92.00	5.0	92.00	5.0	92.00
5.0	88.00	5.0	88.00	5.0	88.00	5.0	88.00
5.0	84.00	5.0	84.00	5.0	84.00	5.0	84.00
5.0	80.00	5.0	80.00	5.0	80.00	5.0	80.00
5.0	76.00	5.0	76.00	5.0	76.00	5.0	76.00
5.0	72.00	5.0	72.00	5.0	72.00	5.0	72.00
6.0	68.00	5.0	68.00	5.0	68.00	5.0	68.00
7.0	64.00	5.0	64.00	5.0	64.00	5.0	64.00
7.5	60.00	5.0	60.00	5.0	60.00	5.0	60.00
7.5	56.00	5.0	56.00	5.0	56.00	5.0	56.00
8.0	52.00	5.0	52.00	5.0	52.00	5.0	52.00
8.0	48.00	5.0	48.00	5.0	48.00	5.0	48.00
8.3	44.00	5.0	44.00	5.0	44.00	5.0	44.00
10.0	40.00	7.5	40.00	5.0	40.00	5.0	40.00

LEAD MICRO-G/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
10.0	36.00	7.5	36.00	5.0	36.00	6.0	36.00
10.0	32.00	8.0	32.00	7.0	32.00	7.0	32.00
10.0	28.00	9.0	28.00	8.0	28.00	7.5	28.00
14.0	24.00	9.5	24.00	10.0	24.00	8.0	24.00
17.0	20.00	10.0	20.00	10.0	20.00	8.0	20.00
17.0	16.00	10.0	16.00	10.0	16.00	10.0	16.00
20.0	12.00	10.0	12.00	12.0	12.00	10.0	12.00
40.0	8.00	20.0	8.00	17.0	8.00	12.0	8.00
55.0	4.00	50.0	4.00	35.0	4.00	30.0	4.00
STANDARD	100.0		100.0		100.0		100.0
NUMBER	25		25		25		25
RANGE	25.00		10.00		9.50		6.00
DISPLACEM	70.00		85.00		85.50		89.00
COEF REL	2.8000		8.5000		9.0000		14.8333

LEAD MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
5.0	100.00	3.0	100.00
5.0	96.00	5.0	96.00
5.0	92.00	5.0	92.00
5.0	88.00	5.0	88.00
5.0	84.00	5.0	84.00
6.0	80.00	5.0	80.00
6.0	76.00	5.0	76.00
7.5	72.00	5.0	72.00
9.0	68.00	5.0	68.00
10.0	64.00	5.0	64.00
10.0	60.00	5.0	60.00
10.0	56.00	5.0	56.00
10.0	52.00	5.0	52.00
10.0	48.00	5.0	48.00
10.0	44.00	5.0	44.00
11.0	40.00	6.0	40.00
12.0	36.00	6.0	36.00
12.0	32.00	6.5	32.00
15.0	28.00	8.0	28.00
16.0	24.00	9.0	24.00
16.0	20.00	9.0	20.00
18.0	16.00	10.0	16.00
24.0	12.00	19.0	12.00
28.0	8.00	21.0	8.00
50.0	4.00	28.0	4.00
STANDARD	100.0		100.0
NUMBER	25		25
RANGE	21.00		15.00
DISPLACEM	74.00		80.00
COEF REL	3.5238		5.3333

MERCURY MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	0.7	100.00	1.0	100.00	0.7	100.00
1.0	90.00	1.0	90.00	1.0	90.00	1.0	90.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.0	70.00	1.0	70.00	1.0	70.00	1.0	70.00
1.0	60.00	1.0	60.00	1.0	60.00	1.0	60.00
1.0	50.00	1.0	50.00	1.0	50.00	1.0	50.00
1.0	40.00	1.0	40.00	1.0	40.00	1.0	40.00
1.0	30.00	1.0	30.00	1.3	30.00	1.0	30.00
1.7	20.00	1.0	20.00	2.7	20.00	2.0	20.00
25.0	10.00	1.2	10.00	13.0	10.00	4.2	10.00
STANDARD	1.0		1.0		1.0		1.0
NUMBER	10		10		10		10
RANGE	24.00		0.20		12.00		3.20
DISPLACEMENT	-24.00		-0.20		-12.00		-3.20
COEF REL	-1.0000		-1.0000		-1.0000		-1.0000

MERCURY MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.7	100.00	1.0	100.00	1.0	100.00	0.5	100.00
1.0	90.00	1.0	90.00	1.0	90.00	1.0	90.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.0	70.00	1.0	70.00	1.0	70.00	1.0	70.00
1.0	60.00	1.0	60.00	1.0	60.00	1.0	60.00
1.0	50.00	1.0	50.00	1.0	50.00	1.0	50.00
1.0	40.00	1.0	40.00	1.0	40.00	1.0	40.00
1.0	30.00	1.0	30.00	1.0	30.00	1.0	30.00
1.8	20.00	1.4	20.00	1.0	20.00	1.0	20.00
1.9	10.00	1.6	10.00	1.2	10.00	1.0	10.00
STANDARD	1.0		1.0		1.0		1.0
NUMBER	10		10		10		10
RANGE	0.90		0.60		0.20		0.00
DISPLACEM	-0.90		-0.60		-0.20		0.00
COEF REL	-1.0000		-1.0000		-1.0000		0.0000

MERCURY MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00
1.0	90.00	1.0	90.00
1.0	80.00	1.0	80.00
1.0	70.00	1.0	70.00
1.0	60.00	1.0	60.00
1.0	50.00	1.0	50.00
1.0	40.00	1.0	40.00
1.0	30.00	1.0	30.00
5.2	20.00	1.0	20.00
15.0	10.00	1.4	10.00
STANDARD	1.0		1.0
NUMBER	10		10
RANGE	14.00		0.40
DISPLACEM	-14.00		-0.40
COEF REL	-1.0000		-1.0000

NICKEL MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TC VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
15	100.00	16	100.00	15	100.00	16	100.00
20	96.00	19	96.00	21	96.00	20	96.00
21	92.00	20	92.00	28	92.00	20	92.00
23	88.00	20	88.00	29	88.00	20	88.00
23	84.00	22	84.00	30	84.00	25	84.00
32	80.00	22	80.00	34	80.00	29	80.00
32	76.00	25	76.00	42	76.00	32	76.00
33	72.00	25	72.00	43	72.00	33	72.00
35	68.00	27	68.00	44	68.00	33	68.00
36	64.00	28	64.00	44	64.00	35	64.00
41	60.00	28	60.00	46	60.00	35	60.00
42	56.00	30	56.00	47	56.00	36	56.00
46	52.00	33	52.00	53	52.00	53	52.00
63	48.00	34	48.00	65	48.00	53	48.00
64	44.00	35	44.00	75	44.00	54	44.00
67	40.00	41	40.00	77	40.00	55	40.00
67	36.00	45	36.00	80	36.00	56	36.00
68	32.00	48	32.00	83	32.00	60	32.00
81	28.00	49	28.00	94	28.00	61	28.00
87	24.00	49	24.00	97	24.00	62	24.00
100	20.00	50	20.00	100	20.00	64	20.00
100	16.00	52	16.00	122	16.00	70	16.00
110	12.00	59	12.00	160	12.00	77	12.00
120	8.00	91	8.00	170	8.00	81	8.00
130	4.00	100	4.00	170	4.00	85	4.00
STANDARD	100		100		100		100
NUMBER	25		25		25		25
RANGE	93.0		55.0		136.5		59.0
DISPLACEMENT	-15.0		25.0		-65.0		21.0
COEF REL	-0.1613		0.4545		-0.4762		0.3559

NICKEL MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
15	100.00	13	100.00	7.0	100.00	4.0	100.00
25	96.00	16	96.00	8.0	96.00	4.0	96.00
29	92.00	25	92.00	8.5	92.00	5.0	92.00
35	88.00	28	88.00	10.0	88.00	6.0	88.00
37	84.00	30	84.00	10.0	84.00	6.0	84.00
43	80.00	31	80.00	11.0	80.00	6.5	80.00
45	76.00	34	76.00	12.0	76.00	7.5	76.00
50	72.00	37	72.00	13.0	72.00	8.0	72.00
56	68.00	37	68.00	17.0	68.00	8.0	68.00
60	64.00	39	64.00	18.0	64.00	9.0	64.00
60	60.00	40	60.00	19.0	60.00	10.0	60.00
61	56.00	43	56.00	19.0	56.00	11.0	56.00
62	52.00	45	52.00	19.0	52.00	12.0	52.00
64	48.00	45	48.00	22.0	48.00	12.0	48.00
66	44.00	50	44.00	24.0	44.00	13.0	44.00
75	40.00	54	40.00	25.0	40.00	15.0	40.00

N I C K E L M I C R O - G / L

2 4 H O U R C O M P O S I T E

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
78	36.00	56	36.00	25.0	36.00	16.0	36.00
80	32.00	63	32.00	25.0	32.00	16.0	32.00
88	28.00	63	28.00	27.0	28.00	17.0	28.00
90	24.00	63	24.00	28.0	24.00	17.0	24.00
90	20.00	69	20.00	29.0	20.00	19.0	20.00
108	16.00	72	16.00	38.0	16.00	19.0	16.00
115	12.00	90	12.00	38.0	12.00	20.0	12.00
130	8.00	130	8.00	48.0	8.00	34.0	8.00
500	4.00	182	4.00	86.0	4.00	35.0	4.00
STANDARD	100		100		100.0		100.0
NUMBER	25		25		25		25
RANGE	90.5		83.5		33.75		21.50
DISPLACEM	-22.5		-10.0		57.00		73.00
COEF REL	-0.2486		-0.1198		1.6889		3.3953

N I C K E L M I C R O - G / L

2 4 H O U R C O M P O S I T E

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
14	100.00	2.5	100.00
21	96.00	2.6	96.00
25	92.00	3.0	92.00
25	88.00	8.0	88.00
25	84.00	8.0	84.00
25	80.00	10.0	80.00
26	76.00	10.0	76.00
34	72.00	11.0	72.00
35	68.00	13.0	68.00
40	64.00	14.0	64.00
43	60.00	14.0	60.00
45	56.00	15.0	56.00
45	52.00	15.0	52.00
45	48.00	16.0	48.00
47	44.00	16.0	44.00
47	40.00	18.0	40.00
48	36.00	18.0	36.00
54	32.00	19.0	32.00
57	28.00	23.0	28.00
57	24.00	24.0	24.00
62	20.00	25.0	20.00
80	16.00	30.0	16.00
84	12.00	34.0	12.00
115	8.00	39.0	8.00
330	4.00	77.0	4.00
STANDARD	100		100.0
NUMBER	25		25
RANGE	74.5		31.00
DISPLACEM	0.5		63.50
COEF REL	0.0067		2.0484

SILVER MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	0.9	100.00	1.4	100.00	1.0	100.00
1.0	96.00	1.0	96.00	2.0	96.00	1.0	96.00
1.0	92.00	1.0	92.00	2.0	92.00	1.0	92.00
1.0	88.00	1.0	88.00	2.0	88.00	1.0	88.00
1.0	84.00	1.0	84.00	2.0	84.00	1.0	84.00
1.0	80.00	1.0	80.00	2.0	80.00	1.0	80.00
1.0	76.00	1.0	76.00	2.5	76.00	1.0	76.00
1.0	72.00	1.0	72.00	2.5	72.00	1.0	72.00
1.0	68.00	1.0	68.00	2.5	68.00	1.0	68.00
1.0	64.00	1.0	64.00	2.6	64.00	1.0	64.00
1.0	60.00	1.0	60.00	2.7	60.00	1.2	60.00
1.0	56.00	1.0	56.00	2.8	56.00	1.2	56.00
1.5	52.00	1.0	52.00	3.0	52.00	1.3	52.00
1.9	48.00	1.0	48.00	3.2	48.00	1.5	48.00
2.0	44.00	1.0	44.00	3.3	44.00	1.6	44.00
2.6	40.00	1.0	40.00	3.5	40.00	1.8	40.00
3.0	36.00	1.0	36.00	4.0	36.00	2.0	36.00
3.0	32.00	1.1	32.00	4.0	32.00	2.0	32.00
3.2	28.00	1.5	28.00	4.0	28.00	2.0	28.00
3.3	24.00	1.5	24.00	4.1	24.00	2.2	24.00
3.7	20.00	1.8	20.00	4.4	20.00	2.4	20.00
4.0	16.00	2.8	16.00	4.9	16.00	2.9	16.00
4.7	12.00	3.0	12.00	6.0	12.00	3.0	12.00
11.0	8.00	5.0	8.00	6.0	8.00	3.0	8.00
21.0	4.00	7.0	4.00	7.0	4.00	3.4	4.00
STANDARD	20.0		20.0		20.0		20.0
NUMBER	25		25		25		25
RANGE	6.85		3.00		4.00		2.00
DISPLACEMENT	12.15		16.00		14.00		17.00
COEF REL	1.7737		5.3333		3.5000		8.5000

SILVER MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECCND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	96.00	1.0	96.00	1.0	96.00	1.0	96.00
1.0	92.00	1.0	92.00	1.0	92.00	1.0	92.00
1.0	88.00	1.0	88.00	1.0	88.00	1.0	88.00
1.0	84.00	1.0	84.00	1.0	84.00	1.0	84.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.3	76.00	1.0	76.00	1.0	76.00	1.0	76.00
1.5	72.00	1.0	72.00	1.0	72.00	1.0	72.00
1.8	68.00	1.1	68.00	1.0	68.00	1.0	68.00
1.9	64.00	1.2	64.00	1.0	64.00	1.0	64.00
2.0	60.00	1.2	60.00	1.0	60.00	1.0	60.00
2.2	56.00	1.3	56.00	1.0	56.00	1.0	56.00
2.2	52.00	1.4	52.00	1.0	52.00	1.0	52.00
2.4	48.00	1.6	48.00	1.0	48.00	1.0	48.00
2.5	44.00	1.7	44.00	1.0	44.00	1.1	44.00
2.8	40.00	1.8	40.00	1.2	40.00	1.2	40.00

SILVER MICRO-G/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
2.9	36.00	2.0	36.00	1.3	36.00	1.5	36.00
2.9	32.00	2.0	32.00	1.3	32.00	1.6	32.00
4.0	28.00	2.0	28.00	1.9	28.00	1.8	28.00
4.0	24.00	2.0	24.00	2.0	24.00	1.9	24.00
4.5	20.00	2.0	20.00	2.0	20.00	2.0	20.00
5.0	16.00	2.1	16.00	2.0	16.00	2.0	16.00
5.0	12.00	2.3	12.00	2.0	12.00	2.0	12.00
6.0	8.00	2.6	8.00	4.0	8.00	2.8	8.00
7.0	4.00	5.0	4.00	5.7	4.00	3.0	4.00
STANDARD	20.0		20.0		20.0		20.0
NUMBER	25		25		25		25
RANGE	4.50		1.45		2.00		1.40
DISPLACEM	14.50		17.55		17.00		17.60
COEF REL	3.2222		12.1034		8.5000		12.5714

SILVER MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00
1.0	96.00	1.0	96.00
1.3	92.00	1.0	92.00
1.3	88.00	1.0	88.00
1.4	84.00	1.0	84.00
1.5	80.00	1.0	80.00
1.5	76.00	1.0	76.00
2.0	72.00	1.0	72.00
2.3	68.00	1.0	68.00
2.3	64.00	1.0	64.00
2.3	60.00	1.0	60.00
2.4	56.00	1.0	56.00
2.5	52.00	1.1	52.00
2.5	48.00	1.2	48.00
3.0	44.00	1.6	44.00
3.0	40.00	1.6	40.00
3.4	36.00	1.7	36.00
4.0	32.00	2.0	32.00
4.7	28.00	2.0	28.00
5.0	24.00	2.0	24.00
5.0	20.00	2.1	20.00
6.0	16.00	3.0	16.00
6.0	12.00	3.0	12.00
8.0	8.00	4.0	8.00
8.0	4.00	6.0	4.00
STANDARD	20.0		20.0
NUMBER	25		25
RANGE	5.70		2.50
DISPLACEM	13.00		16.50
COEF REL	2.2807		6.6000

Z I N C M I C R O - G / L

2 4 H O U R C O M P O S I T E

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
15	100.00	1.3	100.00	4.3	100.00	1.5	100.00
16	96.00	4.6	96.00	10.8	96.00	8.1	96.00
80	92.00	26.0	92.00	130.0	92.00	47.0	92.00
82	88.00	30.0	88.00	140.0	88.00	70.0	88.00
100	84.00	31.0	84.00	150.0	84.00	80.0	84.00
110	80.00	38.0	80.00	160.0	80.00	90.0	80.00
110	76.00	40.0	76.00	170.0	76.00	90.0	76.00
120	72.00	42.0	72.00	172.0	72.00	110.0	72.00
130	68.00	51.0	68.00	180.0	68.00	110.0	68.00
130	64.00	53.0	64.00	180.0	64.00	130.0	64.00
130	60.00	60.0	60.00	190.0	60.00	130.0	60.00
140	56.00	94.0	56.00	210.0	56.00	130.0	56.00
150	52.00	102.0	52.00	220.0	52.00	140.0	52.00
230	48.00	110.0	48.00	222.0	48.00	141.0	48.00
274	44.00	110.0	44.00	240.0	44.00	160.0	44.00
280	40.00	110.0	40.00	270.0	40.00	180.0	40.00
360	36.00	150.0	36.00	300.0	36.00	180.0	36.00
400	32.00	180.0	32.00	310.0	32.00	194.0	32.00
430	28.00	180.0	28.00	380.0	28.00	200.0	28.00
460	24.00	188.0	24.00	460.0	24.00	220.0	24.00
470	20.00	220.0	20.00	590.0	20.00	360.0	20.00
520	16.00	260.0	16.00	640.0	16.00	500.0	16.00
530	12.00	290.0	12.00	1100.0	12.00	550.0	12.00
830	8.00	380.0	8.00	1300.0	8.00	800.0	8.00
1,900	4.00	490.0	4.00	2600.0	4.00	830.0	4.00
STANDARD	300		300.0		300.0		300.0
NUMBER	25		25		25		25
RANGE	599.0		307.00		1065.00		616.50
DISPLACEMENT	-380.0		-35.00		-900.00		-375.00
COEF REL	-0.6344		-0.1140		-0.8451		-0.6083

Z I N C M I C R O - G / L

2 4 H O U R C O M P O S I T E

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
3.3	100.00	2.4	100.00	1.0	100.00	0.6	100.00
14.3	96.00	21.0	96.00	1.5	96.00	6.0	96.00
39.0	92.00	40.0	92.00	5.0	92.00	10.0	92.00
90.0	88.00	45.0	88.00	7.0	88.00	12.0	88.00
110.0	84.00	49.0	84.00	10.0	84.00	13.0	84.00
110.0	80.00	50.0	80.00	12.0	80.00	19.0	80.00
110.0	76.00	51.0	76.00	13.0	76.00	19.0	76.00
119.0	72.00	70.0	72.00	14.0	72.00	20.0	72.00
120.0	68.00	82.0	68.00	14.0	68.00	20.0	68.00
130.0	64.00	93.8	64.00	14.0	64.00	25.0	64.00
150.0	60.00	95.0	60.00	18.0	60.00	25.0	60.00
160.0	56.00	100.0	56.00	19.0	56.00	26.0	56.00
170.0	52.00	110.0	52.00	19.0	52.00	28.0	52.00
170.0	48.00	110.0	48.00	20.0	48.00	28.0	48.00
180.0	44.00	110.0	44.00	21.0	44.00	29.0	44.00
190.0	40.00	140.0	40.00	22.0	40.00	30.0	40.00

Z I N C M I C R O - G / L

2 4 H O U R C O M P O S I T E

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
190.0	36.00	170.0	36.00	23.0	36.00	30.0	36.00
250.0	32.00	197.0	32.00	28.0	32.00	31.0	32.00
270.0	28.00	270.0	28.00	29.0	28.00	40.0	28.00
300.0	24.00	280.0	24.00	30.0	24.00	41.0	24.00
300.0	20.00	310.0	20.00	33.0	20.00	46.0	20.00
300.0	16.00	330.0	16.00	50.0	16.00	47.0	16.00
340.0	12.00	350.0	12.00	50.0	12.00	49.0	12.00
390.0	8.00	750.0	8.00	50.0	8.00	50.0	8.00
3200.0	4.00	3200.0	4.00	80.0	4.00	60.0	4.00
STANDARD	300.0		300.0		300.0		300.0
NUMBER	25		25		25		25
RANGE	300.50		507.50		44.00		38.50
DISPLACEM	-65.00		-250.00		250.00		250.50
COEF REL	-0.2163		-0.4926		5.6818		6.5065

Z I N C M I C R O - G / L

2 4 H O U R C O M P O S I T E

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
6.6	100.00	1.0	100.00
42.0	96.00	7.0	96.00
53.0	92.00	8.0	92.00
70.0	88.00	10.0	88.00
85.0	84.00	11.0	84.00
89.0	80.00	13.0	80.00
90.0	76.00	14.0	76.00
90.0	72.00	14.0	72.00
99.0	68.00	17.0	68.00
100.0	64.00	17.5	64.00
120.0	60.00	18.0	60.00
130.0	56.00	20.0	56.00
140.0	52.00	20.0	52.00
140.0	48.00	20.0	48.00
150.0	44.00	22.5	44.00
150.0	40.00	23.0	40.00
150.0	36.00	23.0	36.00
154.0	32.00	29.0	32.00
180.0	28.00	30.0	28.00
190.0	24.00	32.0	24.00
210.0	20.00	33.0	20.00
300.0	16.00	60.0	16.00
440.0	12.00	70.0	12.00
450.0	8.00	130.0	8.00
2800.0	4.00	347.0	4.00
STANDARD	300.0		300.0
NUMBER	25		25
RANGE	383.50		91.00
DISPLACEM	-145.00		200.00
COEF REL	-0.3781		2.1978

5 DAY BOD MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
3.9	100.00	1.0	100.00	4.8	100.00	0.8	100.00
4.4	96.00	1.2	96.00	5.4	96.00	1.8	96.00
5.8	92.00	1.2	92.00	6.8	92.00	2.0	92.00
6.4	88.00	1.2	88.00	7.0	88.00	2.4	88.00
6.4	84.00	1.4	84.00	7.2	84.00	2.4	84.00
7.6	80.00	1.6	80.00	7.2	80.00	2.5	80.00
7.8	76.00	1.9	76.00	7.6	76.00	2.6	76.00
8.1	72.00	2.0	72.00	8.0	72.00	2.7	72.00
8.8	68.00	2.2	68.00	8.2	68.00	2.7	68.00
9.4	64.00	2.3	64.00	9.1	64.00	2.8	64.00
9.7	60.00	2.4	60.00	9.2	60.00	2.9	60.00
10.8	56.00	2.9	56.00	9.4	56.00	3.2	56.00
11.6	52.00	3.2	52.00	9.7	52.00	3.2	52.00
11.8	48.00	3.2	48.00	10.3	48.00	3.4	48.00
12.1	44.00	3.6	44.00	10.8	44.00	3.5	44.00
13.0	40.00	4.4	40.00	11.3	40.00	3.9	40.00
13.6	36.00	4.6	36.00	12.3	36.00	4.1	36.00
14.8	32.00	4.9	32.00	12.4	32.00	4.4	32.00
15.7	28.00	5.2	28.00	13.0	28.00	4.4	28.00
16.0	24.00	5.3	24.00	13.2	24.00	5.0	24.00
23.4	20.00	5.7	20.00	14.2	20.00	6.1	20.00
28.0	16.00	6.1	16.00	14.8	16.00	6.6	16.00
29.3	12.00	6.5	12.00	20.0	12.00	9.0	12.00
37.9	8.00	9.5	8.00	20.6	8.00	16.5	8.00
45.0	4.00	17.0	4.00	44.8	4.00	17.0	4.00
STANDARD	30.0		30.0		30.0		30.0
NUMBER	25		25		25		25
RANGE	27.50		6.80		13.40		10.55
DISPLACEMENT	-3.60		22.00		9.70		17.25
COEF REL	-0.1309		3.2353		0.7239		1.6351

5 DAY BOD MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.CR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
18	100.00	6.4	100.00	16	100.00	3.7	100.00
28	96.00	9.1	96.00	17	96.00	5.0	96.00
29	92.00	10.5	92.00	23	92.00	7.6	92.00
30	88.00	11.2	88.00	24	88.00	15.4	88.00
38	84.00	12.3	84.00	25	84.00	16.5	84.00
41	80.00	13.4	80.00	28	80.00	19.2	80.00
47	76.00	17.7	76.00	33	76.00	20.8	76.00
62	72.00	18.6	72.00	40	72.00	21.0	72.00
63	68.00	20.4	68.00	41	68.00	21.4	68.00
67	64.00	23.1	64.00	41	64.00	22.4	64.00
67	60.00	26.8	60.00	41	60.00	23.4	60.00
73	56.00	27.1	56.00	42	56.00	25.7	56.00
73	52.00	29.1	52.00	44	52.00	26.3	52.00
81	48.00	29.7	48.00	45	48.00	30.6	48.00
83	44.00	31.6	44.00	46	44.00	31.6	44.00
84	40.00	36.7	40.00	47	40.00	34.8	40.00

5 DAY BOD MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
87	36.00	41.7	36.00	48	36.00	37.8	36.00
96	32.00	44.0	32.00	51	32.00	39.0	32.00
110	28.00	48.0	28.00	52	28.00	44.4	28.00
110	24.00	50.2	24.00	63	24.00	47.3	24.00
115	20.00	51.6	20.00	65	20.00	51.0	20.00
130	16.00	57.2	16.00	67	16.00	55.8	16.00
136	12.00	60.6	12.00	70	12.00	58.7	12.00
138	8.00	65.0	8.00	73	8.00	61.5	8.00
140	4.00	71.1	4.00	75	4.00	67.3	4.00
STANDARD	30		30.0		30		30.0
NUMBER	25		25		25		25
RANGE	107.1		51.95		48.1		48.60
DISPLACEM	-107.0		-32.80		-41.4		-30.10
COEF REL	-0.9986		-0.6314		-0.8617		-0.6193

5 DAY BOD MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
10	100.00	6.5	100.00
16	96.00	7.8	96.15
21	92.00	8.0	92.31
24	88.00	8.6	88.46
30	84.00	8.9	84.62
32	80.00	9.3	80.77
35	76.00	9.4	76.92
44	72.00	9.6	73.08
48	68.00	9.7	69.23
50	64.00	9.7	65.38
54	60.00	17.0	61.54
61	56.00	20.5	57.69
63	52.00	22.4	53.85
70	48.00	23.7	50.00
73	44.00	27.0	46.15
73	40.00	27.4	42.31
80	36.00	32.8	38.46
88	32.00	37.7	34.62
95	28.00	39.5	30.77
97	24.00	40.1	26.92
98	20.00	42.1	23.08
100	16.00	44.0	19.23
105	12.00	49.3	15.38
132	8.00	57.0	11.54
134	4.00	61.2	7.69
		106.0	3.85
STANDARD	30		30.0
NUMBER	25		26
RANGE	95.7		50.32
DISPLACEM	-88.5		-28.68
COEF REL	-0.9248		-0.5700

OIL & GREASE MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.2	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.2	96.00	0.2	96.00	0.1	96.00	0.1	96.00
0.4	92.00	0.4	92.00	0.1	92.00	0.2	92.00
1.1	88.00	0.4	88.00	0.4	88.00	0.2	88.00
1.2	84.00	0.6	84.00	1.2	84.00	0.4	84.00
1.2	80.00	1.2	80.00	1.5	80.00	0.4	80.00
1.3	76.00	1.3	76.00	1.6	76.00	0.8	76.00
1.4	72.00	1.4	72.00	1.8	72.00	1.0	72.00
1.8	68.00	1.4	68.00	2.2	68.00	1.0	68.00
2.2	64.00	1.5	64.00	2.2	64.00	1.2	64.00
2.2	60.00	1.7	60.00	2.4	60.00	1.4	60.00
2.3	56.00	1.9	56.00	2.4	56.00	1.6	56.00
2.6	52.00	2.0	52.00	2.6	52.00	1.8	52.00
2.6	48.00	2.2	48.00	2.6	48.00	2.4	48.00
2.8	44.00	2.2	44.00	2.8	44.00	3.0	44.00
3.4	40.00	2.4	40.00	3.0	40.00	3.6	40.00
4.0	36.00	2.8	36.00	3.4	36.00	3.8	36.00
4.0	32.00	3.2	32.00	3.4	32.00	4.0	32.00
4.1	28.00	3.3	28.00	3.6	28.00	4.0	28.00
4.2	24.00	3.4	24.00	4.0	24.00	4.1	24.00
4.4	20.00	3.6	20.00	5.0	20.00	5.1	20.00
4.6	16.00	3.6	16.00	5.2	16.00	5.2	16.00
5.6	12.00	3.6	12.00	10.4	12.00	5.4	12.00
6.7	8.00	3.8	8.00	25.0	8.00	15.4	8.00
8.2	4.00	7.4	4.00	27.0	4.00	24.0	4.00
STANDARD	10.0		10.0		10.0		10.0
NUMBER	25		25		25		25
RANGE	5.40		3.30		17.45		10.20
DISPLACEMENT	3.85		6.30		-7.70		-0.40
COEF REL	0.7130		1.9091		-0.4413		-0.0392

OIL & GREASE MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.3	96.00	0.1	96.00	0.1	96.00	0.2	96.00
0.4	92.00	0.2	92.00	0.1	92.00	0.2	92.00
0.6	88.00	0.3	88.00	0.1	88.00	0.2	88.00
1.6	84.00	0.6	84.00	0.2	84.00	0.3	84.00
1.8	80.00	0.8	80.00	0.4	80.00	0.4	80.00
2.2	76.00	1.2	76.00	0.8	76.00	0.4	76.00
2.4	72.00	1.2	72.00	0.8	72.00	0.5	72.00
2.4	68.00	1.3	68.00	1.0	68.00	0.6	68.00
2.4	64.00	1.6	64.00	1.0	64.00	1.2	64.00
2.4	60.00	2.0	60.00	1.6	60.00	1.4	60.00
2.6	56.00	2.0	56.00	1.6	56.00	1.5	56.00
2.6	52.00	2.2	52.00	1.8	52.00	1.7	52.00
2.6	48.00	2.2	48.00	2.3	48.00	2.0	48.00
2.8	44.00	2.6	44.00	2.6	44.00	2.0	44.00
3.0	40.00	2.8	40.00	2.6	40.00	2.1	40.00

OIL & GREASE MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
4.1	36.00	3.0	36.00	2.8	36.00	2.2	36.00
4.2	32.00	3.2	32.00	3.2	32.00	3.0	32.00
5.0	28.00	3.9	28.00	3.3	28.00	3.0	28.00
5.0	24.00	4.8	24.00	3.9	24.00	3.6	24.00
5.6	20.00	5.4	20.00	4.8	20.00	4.2	20.00
6.0	16.00	5.4	16.00	5.0	16.00	7.4	16.00
6.0	12.00	8.0	12.00	5.2	12.00	27.0	12.00
7.4	8.00	25.0	8.00	6.6	8.00	34.0	8.00
35.0	4.00	33.0	4.00	25.0	4.00	42.0	4.00
STANDARD	10.0		10.0		10.0		10.0
NUMBER	25		25		25		25
RANGE	6.20		16.25		5.80		30.30
DISPLACEM	3.30		-6.50		4.10		-20.50
COEF REL	0.5323		-0.4000		0.7069		-0.6766

OIL & GREASE MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.4	100.00	0.1	100.00
0.6	96.00	0.2	96.00
0.8	92.00	0.2	92.00
2.0	88.00	0.4	88.00
2.2	84.00	0.4	84.00
2.2	80.00	1.0	80.00
2.8	76.00	1.1	76.00
2.8	72.00	1.2	72.00
3.5	68.00	1.4	68.00
3.6	64.00	1.6	64.00
4.1	60.00	2.0	60.00
4.6	56.00	2.2	56.00
4.6	52.00	2.4	52.00
5.2	48.00	2.5	48.00
6.2	44.00	2.8	44.00
6.6	40.00	3.2	40.00
7.0	36.00	3.4	36.00
7.0	32.00	3.8	32.00
7.8	28.00	3.8	28.00
8.0	24.00	4.6	24.00
9.0	20.00	7.2	20.00
11.4	16.00	12.8	16.00
33.0	12.00	23.0	12.00
39.0	8.00	25.0	8.00
40.0	4.00	63.0	4.00
STANDARD	10.0		10.0
NUMBER	25		25
RANGE	34.60		23.70
DISPLACEM	-26.00		-14.00
COEF REL	-0.7514		-0.5907

OIL & GREASE MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.2	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.2	96.00	0.2	96.00	0.1	96.00	0.1	96.00
0.4	92.00	0.4	92.00	0.1	92.00	0.2	92.00
1.1	88.00	0.4	88.00	0.4	88.00	0.2	88.00
1.2	84.00	0.6	84.00	1.2	84.00	0.4	84.00
1.2	80.00	1.2	80.00	1.5	80.00	0.4	80.00
1.3	76.00	1.3	76.00	1.6	76.00	0.8	76.00
1.4	72.00	1.4	72.00	1.8	72.00	1.0	72.00
1.8	68.00	1.4	68.00	2.2	68.00	1.0	68.00
2.2	64.00	1.5	64.00	2.2	64.00	1.2	64.00
2.2	60.00	1.7	60.00	2.4	60.00	1.4	60.00
2.3	56.00	1.9	56.00	2.4	56.00	1.6	56.00
2.6	52.00	2.0	52.00	2.6	52.00	1.8	52.00
2.6	48.00	2.2	48.00	2.6	48.00	2.4	48.00
2.8	44.00	2.2	44.00	2.8	44.00	3.0	44.00
3.4	40.00	2.4	40.00	3.0	40.00	3.6	40.00
4.0	36.00	2.8	36.00	3.4	36.00	3.8	36.00
4.0	32.00	3.2	32.00	3.4	32.00	4.0	32.00
4.1	28.00	3.3	28.00	3.6	28.00	4.0	28.00
4.2	24.00	3.4	24.00	4.0	24.00	4.1	24.00
4.4	20.00	3.6	20.00	5.0	20.00	5.1	20.00
4.6	16.00	3.6	16.00	5.2	16.00	5.2	16.00
5.6	12.00	3.6	12.00	10.4	12.00	5.4	12.00
6.7	8.00	3.8	8.00	25.0	8.00	15.4	8.00
8.2	4.00	7.4	4.00	27.0	4.00	24.0	4.00
STANDARD	5.0		5.0		5.0		5.0
NUMBER	25		25		25		25
RANGE	5.40		3.30		17.45		10.20
DISPLACEMENT	-1.15		1.30		-12.70		-5.40
COEF REL	-0.2130		0.3939		-0.7278		-0.5294

OIL & GREASE MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.3	96.00	0.1	96.00	0.1	96.00	0.2	96.00
0.4	92.00	0.2	92.00	0.1	92.00	0.2	92.00
0.6	88.00	0.3	88.00	0.1	88.00	0.2	88.00
1.6	84.00	0.6	84.00	0.2	84.00	0.3	84.00
1.8	80.00	0.8	80.00	0.4	80.00	0.4	80.00
2.2	76.00	1.2	76.00	0.8	76.00	0.4	76.00
2.4	72.00	1.2	72.00	0.8	72.00	0.5	72.00
2.4	68.00	1.3	68.00	1.0	68.00	0.6	68.00
2.4	64.00	1.6	64.00	1.0	64.00	1.2	64.00
2.4	60.00	2.0	60.00	1.6	60.00	1.4	60.00
2.6	56.00	2.0	56.00	1.6	56.00	1.5	56.00
2.6	52.00	2.2	52.00	1.8	52.00	1.7	52.00
2.6	48.00	2.2	48.00	2.3	48.00	2.0	48.00
2.8	44.00	2.6	44.00	2.6	44.00	2.0	44.00
3.0	40.00	2.8	40.00	2.6	40.00	2.1	40.00

OIL & GREASE MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
4.1	36.00	3.0	36.00	2.8	36.00	2.2	36.00
4.2	32.00	3.2	32.00	3.2	32.00	3.0	32.00
5.0	28.00	3.9	28.00	3.3	28.00	3.0	28.00
5.0	24.00	4.8	24.00	3.9	24.00	3.6	24.00
5.6	20.00	5.4	20.00	4.8	20.00	4.2	20.00
6.0	16.00	5.4	16.00	5.0	16.00	7.4	16.00
6.0	12.00	8.0	12.00	5.2	12.00	27.0	12.00
7.4	8.00	25.0	8.00	6.6	8.00	34.0	8.00
35.0	4.00	33.0	4.00	25.0	4.00	42.0	4.00
STANDARD	5.0		5.0		5.0		5.0
NUMBER	25		25		25		25
RANGE	6.20		16.25		5.80		30.30
DISPLACEM	-1.70		-11.50		-0.90		-25.50
COEF REL	-0.2742		-0.7077		-0.1552		-0.8416

OIL & GREASE MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.4	100.00	0.1	100.00
0.6	96.00	0.2	96.00
0.8	92.00	0.2	92.00
2.0	88.00	0.4	88.00
2.2	84.00	0.4	84.00
2.2	80.00	1.0	80.00
2.8	76.00	1.1	76.00
2.8	72.00	1.2	72.00
3.5	68.00	1.4	68.00
3.6	64.00	1.6	64.00
4.1	60.00	2.0	60.00
4.6	56.00	2.2	56.00
4.6	52.00	2.4	52.00
5.2	48.00	2.5	48.00
6.2	44.00	2.8	44.00
6.6	40.00	3.2	40.00
7.0	36.00	3.4	36.00
7.0	32.00	3.8	32.00
7.8	28.00	3.8	28.00
8.0	24.00	4.6	24.00
9.0	20.00	7.2	20.00
11.4	16.00	12.8	16.00
33.0	12.00	23.0	12.00
39.0	8.00	25.0	8.00
40.0	4.00	63.0	4.00
STANDARD	5.0		5.0
NUMBER	25		25
RANGE	34.60		23.70
DISPLACEM	-31.00		-19.00
COEF REL	-0.8960		-0.8017

PHENOL MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.004	100.00	0.001	100.00	0.01	100.00	0.001	100.00
0.009	96.00	0.001	96.00	0.01	96.00	0.001	96.00
0.012	92.00	0.001	92.00	0.02	92.00	0.001	92.00
0.012	88.00	0.001	88.00	0.02	88.00	0.001	88.00
0.015	84.00	0.001	84.00	0.02	84.00	0.001	84.00
0.020	80.00	0.001	80.00	0.02	80.00	0.001	80.00
0.021	76.00	0.001	76.00	0.02	76.00	0.001	76.00
0.021	72.00	0.001	72.00	0.02	72.00	0.001	72.00
0.022	68.00	0.001	68.00	0.02	68.00	0.001	68.00
0.022	64.00	0.001	64.00	0.03	64.00	0.001	64.00
0.023	60.00	0.001	60.00	0.03	60.00	0.001	60.00
0.023	56.00	0.001	56.00	0.03	56.00	0.001	56.00
0.024	52.00	0.001	52.00	0.03	52.00	0.001	52.00
0.026	48.00	0.001	48.00	0.03	48.00	0.001	48.00
0.027	44.00	0.001	44.00	0.03	44.00	0.001	44.00
0.027	40.00	0.001	40.00	0.04	40.00	0.001	40.00
0.030	36.00	0.001	36.00	0.04	36.00	0.001	36.00
0.032	32.00	0.001	32.00	0.04	32.00	0.001	32.00
0.034	28.00	0.001	28.00	0.04	28.00	0.001	28.00
0.035	24.00	0.001	24.00	0.04	24.00	0.001	24.00
0.036	20.00	0.001	20.00	0.04	20.00	0.001	20.00
0.042	16.00	0.001	16.00	0.05	16.00	0.001	16.00
0.046	12.00	0.001	12.00	0.05	12.00	0.001	12.00
0.055	8.00	0.002	8.00	0.05	8.00	0.003	8.00
0.130	4.00	0.003	4.00	0.41	4.00	0.093	4.00
STANDARD	0.500		0.500		0.50		0.500
NUMBER	25		25		25		25
RANGE	0.0385		0.0005		0.034		0.0010
DISPLACEMENT	0.4495		0.4985		0.448		0.4980
COEF REL	11.6753		997.0002		13.1912		498.0001

PHENOL MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.06	100.00	0.001	100.00	0.2	100.00	0.001	100.00
0.17	96.00	0.001	96.00	0.2	96.00	0.001	96.00
0.21	92.00	0.001	92.00	0.2	92.00	0.001	92.00
0.23	88.00	0.001	88.00	0.2	88.00	0.001	88.00
0.24	84.00	0.001	84.00	0.2	84.00	0.001	84.00
0.24	80.00	0.001	80.00	0.2	80.00	0.001	80.00
0.26	76.00	0.001	76.00	0.3	76.00	0.001	76.00
0.26	72.00	0.001	72.00	0.3	72.00	0.001	72.00
0.27	68.00	0.001	68.00	0.3	68.00	0.001	68.00
0.28	64.00	0.001	64.00	0.3	64.00	0.001	64.00
0.29	60.00	0.001	60.00	0.3	60.00	0.001	60.00
0.30	56.00	0.001	56.00	0.3	56.00	0.001	56.00
0.31	52.00	0.001	52.00	0.3	52.00	0.001	52.00
0.32	48.00	0.001	48.00	0.3	48.00	0.001	48.00
0.32	44.00	0.001	44.00	0.3	44.00	0.001	44.00
0.32	40.00	0.001	40.00	0.3	40.00	0.001	40.00

PHENOL MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.33	36.00	0.001	36.00	0.3	36.00	0.001	36.00
0.34	32.00	0.001	32.00	0.3	32.00	0.001	32.00
0.34	28.00	0.001	28.00	0.3	28.00	0.001	28.00
0.36	24.00	0.001	24.00	0.3	24.00	0.001	24.00
0.36	20.00	0.001	20.00	0.4	20.00	0.001	20.00
0.37	16.00	0.001	16.00	0.4	16.00	0.001	16.00
0.38	12.00	0.003	12.00	0.4	12.00	0.001	12.00
0.45	8.00	0.004	8.00	0.4	8.00	0.002	8.00
0.53	4.00	0.010	4.00	0.6	4.00	0.022	4.00
STANDARD	0.50		0.500		0.5		0.500
NUMBER	25		25		25		25
RANGE	0.194		0.0025		0.19		0.0005
DISPLACEM	0.085		0.4965		0.10		0.4985
COEF REL	0.4381		198.6000		0.5416		997.0002

PHENOL MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.1	100.00	0.001	100.00
0.1	96.00	0.001	96.00
0.2	92.00	0.001	92.00
0.2	88.00	0.001	88.00
0.2	84.00	0.001	84.00
0.2	80.00	0.001	80.00
0.2	76.00	0.001	76.00
0.2	72.00	0.001	72.00
0.2	68.00	0.001	68.00
0.3	64.00	0.001	64.00
0.3	60.00	0.001	60.00
0.3	56.00	0.001	56.00
0.3	52.00	0.001	52.00
0.3	48.00	0.001	48.00
0.3	44.00	0.001	44.00
0.3	40.00	0.001	40.00
0.3	36.00	0.001	36.00
0.3	32.00	0.001	32.00
0.3	28.00	0.001	28.00
0.3	24.00	0.001	24.00
0.3	20.00	0.001	20.00
0.4	16.00	0.002	16.00
0.4	12.00	0.002	12.00
0.4	8.00	0.005	8.00
0.4	4.00	1.000	4.00
STANDARD	0.5		0.500
NUMBER	25		25
RANGE	0.21		0.0025
DISPLACEM	0.12		0.4965
COEF REL	0.5455		198.6000

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	0.7	100.00	2.9	100.00	7.8	100.00
1.4	96.00	1.2	96.00	9.8	96.00	9.4	96.00
3.0	92.00	1.4	92.00	10.0	92.00	10.0	92.00
3.4	88.00	1.6	88.00	10.0	88.00	10.2	88.00
6.0	84.00	1.6	84.00	12.0	84.00	10.4	84.00
6.9	80.00	2.3	80.00	12.4	80.00	11.0	80.00
7.0	76.00	2.7	76.00	12.6	76.00	12.4	76.00
7.2	72.00	2.8	72.00	13.0	72.00	12.4	72.00
7.6	68.00	3.8	68.00	13.2	68.00	13.6	68.00
7.8	64.00	4.6	64.00	13.4	64.00	13.6	64.00
8.0	60.00	5.3	60.00	13.8	60.00	13.8	60.00
8.0	56.00	5.8	56.00	14.0	56.00	14.0	56.00
8.2	52.00	6.2	52.00	14.0	52.00	14.8	52.00
9.4	48.00	6.2	48.00	14.2	48.00	14.8	48.00
10.0	44.00	8.4	44.00	14.4	44.00	15.0	44.00
10.4	40.00	9.0	40.00	15.0	40.00	15.2	40.00
10.6	36.00	9.6	36.00	15.2	36.00	15.2	36.00
10.6	32.00	9.8	32.00	15.4	32.00	15.6	32.00
11.0	28.00	10.0	28.00	15.6	28.00	15.6	28.00
11.2	24.00	10.2	24.00	16.4	24.00	15.6	24.00
11.8	20.00	10.6	20.00	16.4	20.00	16.0	20.00
12.4	16.00	10.6	16.00	16.4	16.00	16.4	16.00
13.4	12.00	11.0	12.00	18.0	12.00	18.4	12.00
14.4	8.00	13.8	8.00	18.4	8.00	18.4	8.00
16.0	4.00	15.0	4.00	22.8	4.00	22.8	4.00
STANDARD	40.0		40.0		40.0		40.0
NUMBER	25		25		25		25
RANGE	10.70		10.90		8.20		8.30
DISPLACEMENT	26.10		27.60		21.80		21.60
COEF REL	2.4393		2.5321		2.6585		2.6024

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
13	100.00	2.4	100.00	12	100.00	4.8	100.00
		4.8	96.00			7.6	96.00
		8.8	92.00			8.8	92.00
		9.6	88.00			10.0	88.00
		11.6	84.00			10.4	84.00
		12.0	80.00			10.8	80.00
		12.0	76.00			12.0	76.00
		12.4	72.00			12.4	72.00
		12.6	68.00			12.4	68.00
		12.8	64.00			12.7	64.00
		13.0	60.00			12.8	60.00
		13.4	56.00			13.0	56.00
		14.0	52.00			13.0	52.00
		14.4	48.00			13.0	48.00
		14.8	44.00			13.0	44.00
		15.6	40.00			13.4	40.00

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
		15.6	36.00			14.0	36.00
		16.4	32.00			14.0	32.00
		16.4	28.00			14.4	28.00
		16.8	24.00			14.8	24.00
		17.2	20.00			14.8	20.00
		17.8	16.00			15.2	16.00
		18.0	12.00			15.6	12.00
		18.0	8.00			16.4	8.00
		18.4	4.00			25.6	4.00
STANDARD	40		40.0		40		40.0
NUMBER	1		25		1		25
RANGE	0.0		8.80		0.0		6.60
DISPLACEM	0.0		22.00		0.0		24.00
COEF REL	0.0000		2.5000		0.0000		3.6364

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
9.3	100.00	2.2	100.00
		9.6	96.00
		10.4	92.00
		12.0	88.00
		12.0	84.00
		12.4	80.00
		12.4	76.00
		12.6	72.00
		13.0	68.00
		13.0	64.00
		13.2	60.00
		13.2	56.00
		13.8	52.00
		14.8	48.00
		15.2	44.00
		15.6	40.00
		15.6	36.00
		16.0	32.00
		16.4	28.00
		17.6	24.00
		18.0	20.00
		22.0	16.00
		22.0	12.00
		22.8	8.00
		26.0	4.00
STANDARD	40.0		40.0
NUMBER	1		25
RANGE	0.00		11.20
DISPLACEM	0.00		17.60
COEF REL	0.0000		1.5714

FLOATABLES MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	100.00	0.01	100.00	1.2	100.00	0.01	100.00
0.7	96.00	0.01	96.00	1.4	96.00	0.10	96.00
0.7	92.00	0.10	92.00	1.5	92.00	0.10	92.00
1.4	88.00	0.17	88.00	1.7	88.00	0.10	88.00
1.6	84.00	0.20	84.00	1.8	84.00	0.13	84.00
1.6	80.00	0.20	80.00	1.9	80.00	0.14	80.00
1.7	76.00	0.20	76.00	1.9	76.00	0.15	76.00
2.0	72.00	0.20	72.00	2.0	72.00	0.20	72.00
2.0	68.00	0.20	68.00	2.1	68.00	0.20	68.00
2.1	64.00	0.22	64.00	2.1	64.00	0.20	64.00
2.5	60.00	0.26	60.00	2.2	60.00	0.30	60.00
2.6	56.00	0.30	56.00	2.6	56.00	0.30	56.00
2.7	52.00	0.30	52.00	2.7	52.00	0.30	52.00
3.4	48.00	0.30	48.00	2.8	48.00	0.40	48.00
3.9	44.00	0.30	44.00	2.9	44.00	0.40	44.00
3.9	40.00	0.30	40.00	3.0	40.00	0.50	40.00
3.9	36.00	0.30	36.00	3.0	36.00	0.50	36.00
4.1	32.00	0.34	32.00	3.0	32.00	0.50	32.00
5.0	28.00	0.40	28.00	3.6	28.00	0.50	28.00
5.5	24.00	0.59	24.00	3.6	24.00	0.60	24.00
6.2	20.00	0.70	20.00	4.9	20.00	0.60	20.00
6.5	16.00	0.80	16.00	5.5	16.00	0.70	16.00
7.6	12.00	0.90	12.00	7.0	12.00	0.81	12.00
9.0	8.00	5.25	8.00	8.0	8.00	0.90	8.00
10.2	4.00	5.90	4.00	8.4	4.00	1.24	4.00
STANDARD	1.0		1.00		1.0		1.00
NUMBER	25		25		25		25
RANGE	7.20		2.940		5.90		0.755
DISPLACEMENT	-7.30		-2.075		-6.50		0.145
COEF REL	-1.0132		-0.7058		-1.1017		0.1921

FLOATABLES MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.01	100.00	0.01	100.00	0.01	100.00
0.2	96.00	0.01	96.00	0.10	96.00	0.07	96.00
0.3	92.00	0.10	92.00	0.30	92.00	0.10	92.00
0.3	88.00	0.10	88.00	0.35	88.00	0.10	88.00
0.3	84.00	0.10	84.00	0.60	84.00	0.10	84.00
0.4	80.00	0.16	80.00	0.70	80.00	0.17	80.00
0.8	76.00	0.20	76.00	0.71	76.00	0.24	76.00
1.0	72.00	0.26	72.00	0.77	72.00	0.24	72.00
1.1	68.00	0.29	68.00	0.84	68.00	0.26	68.00
1.1	64.00	0.30	64.00	0.90	64.00	0.30	64.00
1.1	60.00	0.30	60.00	1.50	60.00	0.30	60.00
1.2	56.00	0.30	56.00	1.50	56.00	0.30	56.00
1.3	52.00	0.30	52.00	1.90	52.00	0.30	52.00
1.3	48.00	0.30	48.00	2.00	48.00	0.60	48.00
1.9	44.00	0.31	44.00	2.20	44.00	0.60	44.00
1.9	40.00	0.34	40.00	2.50	40.00	0.60	40.00

FLOATABLES MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
2.0	36.00	0.37	36.00	2.70	36.00	0.63	36.00
2.5	32.00	0.40	32.00	2.70	32.00	0.70	32.00
2.9	28.00	0.50	28.00	4.40	28.00	0.90	28.00
3.0	24.00	0.50	24.00	4.60	24.00	1.10	24.00
3.7	20.00	0.60	20.00	4.90	20.00	1.10	20.00
3.8	16.00	0.60	16.00	8.50	16.00	1.20	16.00
5.6	12.00	1.14	12.00	17.10	12.00	1.30	12.00
6.3	8.00	1.50	8.00	21.10	8.00	1.50	8.00
7.6	4.00	3.50	4.00	25.28	4.00	1.71	4.00
STANDARD	1.0		1.00		1.00		1.00
NUMBER	25		25		25		25
RANGE	5.64		1.220		18.775		1.300
DISPLACEM	-4.94		-0.320		-18.100		-0.400
COEF REL	-0.8760		-0.2623		-0.9640		-0.3077

FLOATABLES MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.3	100.00	0.03	100.00
0.3	96.00	0.07	96.00
0.4	92.00	0.08	92.00
0.5	88.00	0.10	88.00
0.5	84.00	0.15	84.00
0.6	80.00	0.20	80.00
0.8	76.00	0.20	76.00
1.0	72.00	0.20	72.00
1.0	68.00	0.20	68.00
1.1	64.00	0.37	64.00
1.2	60.00	0.40	60.00
1.5	56.00	0.50	56.00
1.7	52.00	0.50	52.00
1.9	48.00	0.57	48.00
2.0	44.00	0.60	44.00
2.0	40.00	0.60	40.00
2.0	36.00	0.60	36.00
2.2	32.00	0.70	32.00
2.3	28.00	0.70	28.00
2.6	24.00	0.80	24.00
3.7	20.00	1.00	20.00
4.3	16.00	1.30	16.00
5.8	12.00	1.84	12.00
6.5	8.00	3.99	8.00
6.5	4.00	5.50	4.00
STANDARD	1.0		1.00
NUMBER	25		25
RANGE	5.72		2.825
DISPLACEM	-5.17		-1.915
COEF REL	-0.9038		-0.6779

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00	0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00	0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00	0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00	0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00	0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00	0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00	0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00	0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00	0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00	0.1	44.00	0.1	44.00
0.1	40.00	0.1	40.00	0.1	40.00	0.1	40.00
0.1	36.00	0.1	36.00	0.1	36.00	0.1	36.00
0.1	32.00	0.1	32.00	0.1	32.00	0.1	32.00
0.1	28.00	0.1	28.00	0.1	28.00	0.1	28.00
0.1	24.00	0.1	24.00	0.1	24.00	0.1	24.00
0.1	20.00	0.1	20.00	0.1	20.00	0.1	20.00
0.1	16.00	0.1	16.00	0.1	16.00	0.1	16.00
0.1	12.00	0.1	12.00	0.1	12.00	0.1	12.00
0.1	8.00	0.1	8.00	0.1	8.00	0.1	8.00
0.1	4.00	0.1	4.00	0.1	4.00	0.1	4.00
STANDARD	0.1		0.1		0.1		0.1
NUMBER	25		25		25		25
RANGE	0.00		0.00		0.00		0.00
DISPLACEMENT	0.00		0.00		0.00		0.00
COEF REL	0.0000		0.0000		0.0000		0.0000

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00	0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00	0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00	0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00	0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00	0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00	0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00	0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00	0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00	0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00	0.1	44.00	0.1	44.00
0.1	40.00	0.1	40.00	0.1	40.00	0.1	40.00

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	36.00	0.1	36.00	0.1	36.00	0.1	36.00
0.1	32.00	0.1	32.00	0.1	32.00	0.1	32.00
0.1	28.00	0.1	28.00	0.1	28.00	0.1	28.00
0.1	24.00	0.1	24.00	0.1	24.00	0.1	24.00
0.1	20.00	0.1	20.00	0.1	20.00	0.1	20.00
0.1	16.00	0.1	16.00	0.1	16.00	0.1	16.00
0.1	12.00	0.1	12.00	0.1	12.00	0.1	12.00
0.1	8.00	0.1	8.00	0.1	8.00	0.1	8.00
0.3	4.00	0.1	4.00	0.1	4.00	0.1	4.00
STANDARD	0.1		0.1		0.1		0.1
NUMBER	25		25		25		25
RANGE	0.00		0.00		0.00		0.00
DISPLACEM	0.00		0.00		0.00		0.00
COEF REL	0.0000		0.0000		0.0000		0.0000

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00
0.1	40.00	0.1	40.00
0.1	36.00	0.1	36.00
0.1	32.00	0.1	32.00
0.1	28.00	0.1	28.00
0.1	24.00	0.1	24.00
0.1	20.00	0.1	20.00
0.1	16.00	0.1	16.00
0.1	12.00	0.1	12.00
0.1	8.00	0.1	8.00
1.5	4.00	0.1	4.00
STANDARD	0.1		0.1
NUMBER	25		25
RANGE	0.00		0.00
DISPLACEM	0.00		0.00
COEF REL	0.0000		0.0000

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
4.0	100.00	0.1	100.00	16	100.00	0.4	100.00
5.5	96.00	0.2	95.83	18	96.00	1.2	96.00
8.4	92.00	0.8	91.67	19	92.00	1.5	92.00
14.0	88.00	0.8	87.50	22	88.00	1.6	88.00
15.5	84.00	1.1	83.33	22	84.00	2.9	84.00
16.4	80.00	1.2	79.17	23	80.00	3.5	80.00
17.0	76.00	1.3	75.00	23	76.00	3.6	76.00
20.0	72.00	1.4	70.83	24	72.00	3.7	72.00
21.5	68.00	1.4	66.67	27	68.00	4.4	68.00
24.0	64.00	2.0	62.50	27	64.00	4.4	64.00
24.0	60.00	2.0	58.33	29	60.00	4.8	60.00
26.0	56.00	2.3	54.17	29	56.00	5.2	56.00
26.0	52.00	2.6	50.00	32	52.00	5.3	52.00
28.0	48.00	3.1	45.83	32	48.00	5.7	48.00
29.0	44.00	3.3	41.67	33	44.00	6.0	44.00
29.5	40.00	3.8	37.50	35	40.00	6.0	40.00
32.0	36.00	4.2	33.33	35	36.00	6.3	36.00
33.0	32.00	4.9	29.17	36	32.00	6.4	32.00
34.0	28.00	6.2	25.00	44	28.00	6.9	28.00
35.0	24.00	6.6	20.83	45	24.00	7.0	24.00
37.0	20.00	9.0	16.67	46	20.00	7.4	20.00
40.0	16.00	11.8	12.50	47	16.00	8.0	16.00
41.0	12.00	20.0	8.33	49	12.00	9.6	12.00
44.0	8.00	48.0	4.17	57	8.00	12.0	8.00
56.0	4.00			61	4.00	14.8	4.00
STANDARD	50.0		50.0		50		50.0
NUMBER	25		24		25		25
RANGE	31.30		15.92		32.5		9.25
DISPLACEMENT	7.50		33.28		-3.0		39.20
COEF REL	0.2396		2.0905		-0.0923		4.2378

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.5	100.00	1.2	100.00	2.0	100.00	0.1	100.00
7.0	96.00	2.8	96.00	3.6	96.00	0.4	96.00
13.0	92.00	2.9	92.00	3.8	92.00	1.3	92.00
13.0	88.00	3.0	88.00	3.8	88.00	2.2	88.00
16.0	84.00	4.3	84.00	4.2	84.00	2.2	84.00
17.7	80.00	4.4	80.00	4.6	80.00	2.8	80.00
20.0	76.00	5.4	76.00	5.6	76.00	2.9	76.00
24.8	72.00	5.6	72.00	5.6	72.00	2.9	72.00
25.0	68.00	5.8	68.00	6.0	68.00	3.6	68.00
25.0	64.00	5.9	64.00	7.2	64.00	3.8	64.00
26.6	60.00	6.0	60.00	8.3	60.00	3.8	60.00
27.4	56.00	6.0	56.00	8.4	56.00	4.0	56.00
30.0	52.00	6.3	52.00	9.0	52.00	4.3	52.00
30.8	48.00	7.0	48.00	9.5	48.00	5.4	48.00
31.0	44.00	8.8	44.00	9.6	44.00	5.7	44.00
31.3	40.00	10.8	40.00	9.6	40.00	5.8	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
33.5	36.00	10.9	36.00	10.0	36.00	5.9	36.00
35.0	32.00	11.2	32.00	11.2	32.00	6.2	32.00
35.7	28.00	11.4	28.00	11.2	28.00	6.6	28.00
39.0	24.00	12.0	24.00	11.4	24.00	7.0	24.00
40.5	20.00	12.0	20.00	13.0	20.00	7.4	20.00
43.0	16.00	14.4	16.00	13.2	16.00	8.0	16.00
58.0	12.00	15.0	12.00	13.5	12.00	10.2	12.00
66.0	8.00	18.5	8.00	14.4	8.00	11.6	8.00
72.0	4.00	49.5	4.00	25.2	4.00	12.6	4.00
STANDARD	50.0		50.0		50.0		50.0
NUMBER	25		25		25		25
RANGE	49.00		13.80		10.15		9.15
DISPLACEM	-12.00		33.25		36.05		39.10
COEF REL	-0.2449		2.4094		3.5517		4.2732

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
3.2	100.00	4.1	100.00
6.0	96.00	4.4	96.00
11.2	92.00	4.9	92.00
12.0	88.00	5.8	88.00
13.6	84.00	5.9	84.00
16.0	80.00	6.0	80.00
26.8	76.00	7.0	76.00
27.6	72.00	7.8	72.00
30.8	68.00	7.8	68.00
31.0	64.00	8.4	64.00
32.8	60.00	8.4	60.00
33.8	56.00	8.4	56.00
36.8	52.00	8.6	52.00
38.5	48.00	9.6	48.00
40.0	44.00	10.0	44.00
40.3	40.00	10.2	40.00
42.0	36.00	10.6	36.00
45.0	32.00	11.0	32.00
46.0	28.00	12.2	28.00
46.0	24.00	13.4	24.00
48.5	20.00	14.0	20.00
54.8	16.00	14.8	16.00
61.0	12.00	16.8	12.00
68.0	8.00	24.0	8.00
68.0	4.00	45.0	4.00
STANDARD	50.0		50.0
NUMBER	25		25
RANGE	52.90		15.05
DISPLACEM	-14.50		29.60
COEF REL	-0.2741		1.9668

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
4.0	100.00	0.1	100.00	16	100.00	0.4	100.00
5.5	96.00	0.2	95.83	18	96.00	1.2	96.00
8.4	92.00	0.8	91.67	19	92.00	1.5	92.00
14.0	88.00	0.8	87.50	22	88.00	1.6	88.00
15.5	84.00	1.1	83.33	22	84.00	2.9	84.00
16.4	80.00	1.2	79.17	23	80.00	3.5	80.00
17.0	76.00	1.3	75.00	23	76.00	3.6	76.00
20.0	72.00	1.4	70.83	24	72.00	3.7	72.00
21.5	68.00	1.4	66.67	27	68.00	4.4	68.00
24.0	64.00	2.0	62.50	27	64.00	4.4	64.00
24.0	60.00	2.0	58.33	29	60.00	4.8	60.00
26.0	56.00	2.3	54.17	29	56.00	5.2	56.00
26.0	52.00	2.6	50.00	32	52.00	5.3	52.00
28.0	48.00	3.1	45.83	32	48.00	5.7	48.00
29.0	44.00	3.3	41.67	33	44.00	6.0	44.00
29.5	40.00	3.8	37.50	35	40.00	6.0	40.00
32.0	36.00	4.2	33.33	35	36.00	6.3	36.00
33.0	32.00	4.9	29.17	36	32.00	6.4	32.00
34.0	28.00	6.2	25.00	44	28.00	6.9	28.00
35.0	24.00	6.6	20.83	45	24.00	7.0	24.00
37.0	20.00	9.0	16.67	46	20.00	7.4	20.00
40.0	16.00	11.8	12.50	47	16.00	8.0	16.00
41.0	12.00	20.0	8.33	49	12.00	9.6	12.00
44.0	8.00	48.0	4.17	57	8.00	12.0	8.00
56.0	4.00			61	4.00	14.8	4.00
STANDARD	30.0		30.0		30		30.0
NUMBER	25		24		25		25
RANGE	31.30		15.92		32.5		9.25
DISPLACEMENT	-12.50		13.28		-23.0		19.20
COEF REL	-0.3994		0.8342		-0.7077		2.0757

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.5	100.00	1.2	100.00	2.0	100.00	0.1	100.00
7.0	96.00	2.8	96.00	3.6	96.00	0.4	96.00
13.0	92.00	2.9	92.00	3.8	92.00	1.3	92.00
13.0	88.00	3.0	88.00	3.8	88.00	2.2	88.00
16.0	84.00	4.3	84.00	4.2	84.00	2.2	84.00
17.7	80.00	4.4	80.00	4.6	80.00	2.8	80.00
20.0	76.00	5.4	76.00	5.6	76.00	2.9	76.00
24.8	72.00	5.6	72.00	5.6	72.00	2.9	72.00
25.0	68.00	5.8	68.00	6.0	68.00	3.6	68.00
25.0	64.00	5.9	64.00	7.2	64.00	3.8	64.00
26.6	60.00	6.0	60.00	8.3	60.00	3.8	60.00
27.4	56.00	6.0	56.00	8.4	56.00	4.0	56.00
30.0	52.00	6.3	52.00	9.0	52.00	4.3	52.00
30.8	48.00	7.0	48.00	9.5	48.00	5.4	48.00
31.0	44.00	8.8	44.00	9.6	44.00	5.7	44.00
31.3	40.00	10.8	40.00	9.6	40.00	5.8	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
33.5	36.00	10.9	36.00	10.0	36.00	5.9	36.00
35.0	32.00	11.2	32.00	11.2	32.00	6.2	32.00
35.7	28.00	11.4	28.00	11.2	28.00	6.6	28.00
39.0	24.00	12.0	24.00	11.4	24.00	7.0	24.00
40.5	20.00	12.0	20.00	13.0	20.00	7.4	20.00
43.0	16.00	14.4	16.00	13.2	16.00	8.0	16.00
58.0	12.00	15.0	12.00	13.5	12.00	10.2	12.00
66.0	8.00	18.5	8.00	14.4	8.00	11.6	8.00
72.0	4.00	49.5	4.00	25.2	4.00	12.6	4.00
STANDARD	30.0		30.0		30.0		30.0
NUMBER	25		25		25		25
RANGE	49.00		13.80		10.15		9.15
DISPLACEM	-32.00		13.25		16.05		19.10
COEF REL	-0.6531		0.9601		1.5813		2.0874

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
3.2	100.00	4.1	100.00
6.0	96.00	4.4	96.00
11.2	92.00	4.9	92.00
12.0	88.00	5.8	88.00
13.6	84.00	5.9	84.00
16.0	80.00	6.0	80.00
26.8	76.00	7.0	76.00
27.6	72.00	7.8	72.00
30.8	68.00	7.8	68.00
31.0	64.00	8.4	64.00
32.8	60.00	8.4	60.00
33.8	56.00	8.4	56.00
36.8	52.00	8.6	52.00
38.5	48.00	9.6	48.00
40.0	44.00	10.0	44.00
40.3	40.00	10.2	40.00
42.0	36.00	10.6	36.00
45.0	32.00	11.0	32.00
46.0	28.00	12.2	28.00
46.0	24.00	13.4	24.00
48.5	20.00	14.0	20.00
54.8	16.00	14.8	16.00
61.0	12.00	16.8	12.00
68.0	8.00	24.0	8.00
68.0	4.00	45.0	4.00
STANDARD	30.0		30.0
NUMBER	25		25
RANGE	52.90		15.05
DISPLACEM	-34.50		9.60
COEF REL	-0.6522		0.6379

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
4.0	100.00	0.1	100.00	16	100.00	0.4	100.00
5.5	96.00	0.2	95.83	18	96.00	1.2	96.00
8.4	92.00	0.8	91.67	19	92.00	1.5	92.00
14.0	88.00	0.8	87.50	22	88.00	1.6	88.00
15.5	84.00	1.1	83.33	22	84.00	2.9	84.00
16.4	80.00	1.2	79.17	23	80.00	3.5	80.00
17.0	76.00	1.3	75.00	23	76.00	3.6	76.00
20.0	72.00	1.4	70.83	24	72.00	3.7	72.00
21.5	68.00	1.4	66.67	27	68.00	4.4	68.00
24.0	64.00	2.0	62.50	27	64.00	4.4	64.00
24.0	60.00	2.0	58.33	29	60.00	4.8	60.00
26.0	56.00	2.3	54.17	29	56.00	5.2	56.00
26.0	52.00	2.6	50.00	32	52.00	5.3	52.00
28.0	48.00	3.1	45.83	32	48.00	5.7	48.00
29.0	44.00	3.3	41.67	33	44.00	6.0	44.00
29.5	40.00	3.8	37.50	35	40.00	6.0	40.00
32.0	36.00	4.2	33.33	35	36.00	6.3	36.00
33.0	32.00	4.9	29.17	36	32.00	6.4	32.00
34.0	28.00	6.2	25.00	44	28.00	6.9	28.00
35.0	24.00	6.6	20.83	45	24.00	7.0	24.00
37.0	20.00	9.0	16.67	46	20.00	7.4	20.00
40.0	16.00	11.8	12.50	47	16.00	8.0	16.00
41.0	12.00	20.0	8.33	49	12.00	9.6	12.00
44.0	8.00	48.0	4.17	57	8.00	12.0	8.00
56.0	4.00			61	4.00	14.8	4.00
STANDARD	15.0		15.0		15		15.0
NUMBER	25		24		25		25
RANGE	31.30		15.92		32.5		9.25
DISPLACEMENT	-27.50		-1.72		-38.0		4.20
COEF REL	-0.8786		-0.1080		-1.1692		0.4541

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.5	100.00	1.2	100.00	2.0	100.00	0.1	100.00
7.0	96.00	2.8	96.00	3.6	96.00	0.4	96.00
13.0	92.00	2.9	92.00	3.8	92.00	1.3	92.00
13.0	88.00	3.0	88.00	3.8	88.00	2.2	88.00
16.0	84.00	4.3	84.00	4.2	84.00	2.2	84.00
17.7	80.00	4.4	80.00	4.6	80.00	2.8	80.00
20.0	76.00	5.4	76.00	5.6	76.00	2.9	76.00
24.8	72.00	5.6	72.00	5.6	72.00	2.9	72.00
25.0	68.00	5.8	68.00	6.0	68.00	3.6	68.00
25.0	64.00	5.9	64.00	7.2	64.00	3.8	64.00
26.6	60.00	6.0	60.00	8.3	60.00	3.8	60.00
27.4	56.00	6.0	56.00	8.4	56.00	4.0	56.00
30.0	52.00	6.3	52.00	9.0	52.00	4.3	52.00
30.8	48.00	7.0	48.00	9.5	48.00	5.4	48.00
31.0	44.00	8.8	44.00	9.6	44.00	5.7	44.00
31.3	40.00	10.8	40.00	9.6	40.00	5.8	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARB' COLUM.. EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
33.5	36.00	10.9	36.00	10.0	36.00	5.9	36.00
35.0	32.00	11.2	32.00	11.2	32.00	6.2	32.00
35.7	28.00	11.4	28.00	11.2	28.00	6.6	28.00
39.0	24.00	12.0	24.00	11.4	24.00	7.0	24.00
40.5	20.00	12.0	20.00	13.0	20.00	7.4	20.00
43.0	16.00	14.4	16.00	13.2	16.00	8.0	16.00
58.0	12.00	15.0	12.00	13.5	12.00	10.2	12.00
66.0	8.00	18.5	8.00	14.4	8.00	11.6	8.00
72.0	4.00	49.5	4.00	25.2	4.00	12.6	4.00
STANDARD	15.0		15.0		15.0		15.0
NUMBER	25		25		25		25
RANGE	49.00		13.80		10.15		9.15
DISPLACEM	-47.00		-1.75		1.05		4.10
COEF REL	-0.9592		-0.1268		0.1034		0.4481

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
3.2	100.00	4.1	100.00
6.0	96.00	4.4	96.00
11.2	92.00	4.9	92.00
12.0	88.00	5.8	88.00
13.6	84.00	5.9	84.00
16.0	80.00	6.0	80.00
26.8	76.00	7.0	76.00
27.6	72.00	7.8	72.00
30.8	68.00	7.8	68.00
31.0	64.00	8.4	64.00
32.8	60.00	8.4	60.00
33.8	56.00	8.4	56.00
36.8	52.00	8.6	52.00
38.5	48.00	9.6	48.00
40.0	44.00	10.0	44.00
40.3	40.00	10.2	40.00
42.0	36.00	10.6	36.00
45.0	32.00	11.0	32.00
46.0	28.00	12.2	28.00
46.0	24.00	13.4	24.00
48.5	20.00	14.0	20.00
54.8	16.00	14.8	16.00
61.0	12.00	16.8	12.00
68.0	8.00	24.0	8.00
68.0	4.00	45.0	4.00
STANDARD	15.0		15.0
NUMBER	25		25
RANGE	52.90		15.05
DISPLACEM	-49.50		-5.40
COEF REL	-0.9357		-0.3588

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
5.5	100.00	0.6	100.00	11	100.00	1.4	100.00
6.6	96.00	0.6	96.00	11	96.00	1.6	96.00
7.0	92.00	0.6	92.00	12	92.00	1.7	92.00
7.4	88.00	0.6	88.00	13	88.00	1.8	88.00
7.5	84.00	0.7	84.00	15	84.00	1.8	84.00
7.7	80.00	0.8	80.00	16	80.00	1.8	80.00
7.8	76.00	1.0	76.00	16	76.00	1.8	76.00
8.1	72.00	1.0	72.00	17	72.00	1.9	72.00
9.1	68.00	1.1	68.00	18	68.00	2.1	68.00
9.4	64.00	1.1	64.00	18	64.00	2.6	64.00
9.4	60.00	1.2	60.00	18	60.00	3.7	60.00
9.8	56.00	1.2	56.00	19	56.00	3.9	56.00
10.0	52.00	1.2	52.00	20	52.00	4.0	52.00
11.5	48.00	1.3	48.00	21	48.00	4.0	48.00
12.0	44.00	1.4	44.00	22	44.00	5.1	44.00
12.0	40.00	1.5	40.00	22	40.00	5.3	40.00
14.0	36.00	1.6	36.00	23	36.00	5.4	36.00
14.6	32.00	2.0	32.00	23	32.00	5.5	32.00
15.0	28.00	2.1	28.00	24	28.00	5.7	28.00
15.0	24.00	2.7	24.00	25	24.00	5.9	24.00
15.0	20.00	3.0	20.00	26	20.00	6.0	20.00
16.0	16.00	3.5	16.00	27	16.00	6.2	16.00
17.0	12.00	4.0	12.00	29	12.00	6.4	12.00
18.0	8.00	18.0	8.00	34	8.00	7.5	8.00
20.0	4.00	51.0	4.00	37	4.00	7.8	4.00
STANDARD	50.0		50.0		50		50.0
NUMBER	25		25		25		25
RANGE	10.30		10.36		18.8		5.20
DISPLACEMENT	32.50		39.00		18.7		43.05
COEF REL	3.1553		3.7645		0.9947		8.2788

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
6.3	100.00	0.7	100.00	1.4	100.00	0.8	100.00
17.0	96.00	1.2	96.00	3.9	96.00	1.2	96.00
17.0	92.00	1.5	92.00	4.9	92.00	1.2	92.00
18.0	88.00	1.7	88.00	5.4	88.00	1.2	88.00
18.0	84.00	1.7	84.00	5.4	84.00	1.5	84.00
18.0	80.00	1.8	80.00	5.5	80.00	1.5	80.00
18.2	76.00	2.0	76.00	6.0	76.00	1.5	76.00
18.9	72.00	2.1	72.00	6.6	72.00	1.5	72.00
19.0	68.00	2.3	68.00	6.8	68.00	1.5	68.00
19.0	64.00	2.3	64.00	7.9	64.00	1.7	64.00
19.1	60.00	2.5	60.00	8.7	60.00	1.8	60.00
19.4	56.00	2.6	56.00	9.2	56.00	1.8	56.00
20.0	52.00	2.7	52.00	9.8	52.00	2.0	52.00
20.4	48.00	2.8	48.00	10.0	48.00	2.0	48.00
21.2	44.00	3.1	44.00	10.3	44.00	2.2	44.00
22.0	40.00	3.1	40.00	10.6	40.00	2.3	40.00

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
23.2	36.00	3.3	36.00	11.1	36.00	2.3	36.00
24.2	32.00	3.4	32.00	12.9	32.00	2.4	32.00
25.0	28.00	3.4	28.00	13.0	28.00	2.4	28.00
25.8	24.00	3.6	24.00	13.1	24.00	2.8	24.00
27.0	20.00	4.3	20.00	14.1	20.00	3.2	20.00
28.0	16.00	4.9	16.00	15.0	16.00	3.3	16.00
28.3	12.00	5.4	12.00	15.4	12.00	3.4	12.00
32.0	8.00	9.9	8.00	20.5	8.00	4.8	8.00
34.0	4.00	25.0	4.00	21.0	4.00	13.0	4.00
STANDARD	50.0		50.0		50.0		50.0
NUMBER	25		25		25		25
RANGE	12.65		6.05		12.80		2.90
DISPLACEM	19.85		42.35		32.05		45.90
COEF REL	1.5692		7.0000		2.5039		15.8276

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
8.8	100.00	3.4	100.00
11.8	96.00	3.8	96.00
13.0	92.00	4.1	92.00
13.4	88.00	4.4	88.00
14.0	84.00	4.7	84.00
14.0	80.00	5.0	80.00
16.0	76.00	5.1	76.00
17.5	72.00	6.0	72.00
18.0	68.00	6.0	68.00
18.6	64.00	6.3	64.00
20.3	60.00	7.0	60.00
21.8	56.00	8.3	56.00
22.0	52.00	9.4	52.00
23.0	48.00	9.8	48.00
24.3	44.00	13.0	44.00
24.7	40.00	16.0	40.00
25.0	36.00	16.9	36.00
26.4	32.00	18.0	32.00
26.8	28.00	18.0	28.00
28.0	24.00	20.6	24.00
28.9	20.00	21.3	20.00
30.0	16.00	25.1	16.00
31.8	12.00	31.0	12.00
37.0	8.00	31.0	8.00
60.0	4.00	42.0	4.00
STANDARD	50.0		50.0
NUMBER	25		25
RANGE	21.22		26.75
DISPLACEM	15.58		19.[illegible]
COEF REL	0.7338		0.7[illegible]

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
5.5	100.00	0.6	100.00	11	100.00	1.4	100.00
6.6	96.00	0.6	96.00	11	96.00	1.6	96.00
7.0	92.00	0.6	92.00	12	92.00	1.7	92.00
7.4	88.00	0.6	88.00	13	88.00	1.8	88.00
7.5	84.00	0.7	84.00	15	84.00	1.8	84.00
7.7	80.00	0.8	80.00	16	80.00	1.8	80.00
7.8	76.00	1.0	76.00	16	76.00	1.8	76.00
8.1	72.00	1.0	72.00	17	72.00	1.9	72.00
9.1	68.00	1.1	68.00	18	68.00	2.1	68.00
9.4	64.00	1.1	64.00	18	64.00	2.6	64.00
9.4	60.00	1.2	60.00	18	60.00	3.7	60.00
9.8	56.00	1.2	56.00	19	56.00	3.9	56.00
10.0	52.00	1.2	52.00	20	52.00	4.0	52.00
11.5	48.00	1.3	48.00	21	48.00	4.0	48.00
12.0	44.00	1.4	44.00	22	44.00	5.1	44.00
12.0	40.00	1.5	40.00	22	40.00	5.3	40.00
14.0	36.00	1.6	36.00	23	36.00	5.4	36.00
14.6	32.00	2.0	32.00	23	32.00	5.5	32.00
15.0	28.00	2.1	28.00	24	28.00	5.7	28.00
15.0	24.00	2.7	24.00	25	24.00	5.9	24.00
15.0	20.00	3.0	20.00	26	20.00	6.0	20.00
16.0	16.00	3.5	16.00	27	16.00	6.2	16.00
17.0	12.00	4.0	12.00	29	12.00	6.4	12.00
18.0	8.00	18.0	8.00	34	8.00	7.5	8.00
20.0	4.00	51.0	4.00	37	4.00	7.8	4.00
STANDARD	10.0		10.0		10		10.0
NUMBER	25		25		25		25
RANGE	10.30		10.36		18.8		5.20
DISPLACEMENT	-7.50		-1.00		-21.3		3.05
COEF REL	-0.7282		-0.0965		-1.1330		0.5865

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
6.3	100.00	0.7	100.00	1.4	100.00	0.8	100.00
17.0	96.00	1.2	96.00	3.9	96.00	1.2	96.00
17.0	92.00	1.5	92.00	4.9	92.00	1.2	92.00
18.0	88.00	1.7	88.00	5.4	88.00	1.2	88.00
18.0	84.00	1.7	84.00	5.4	84.00	1.5	84.00
18.0	80.00	1.8	80.00	5.5	80.00	1.5	80.00
18.2	76.00	2.0	76.00	6.0	76.00	1.5	76.00
18.9	72.00	2.1	72.00	6.6	72.00	1.5	72.00
19.0	68.00	2.3	68.00	6.8	68.00	1.5	68.00
19.0	64.00	2.3	64.00	7.9	64.00	1.7	64.00
19.1	60.00	2.5	60.00	8.7	60.00	1.8	60.00
19.4	56.00	2.6	56.00	9.2	56.00	1.8	56.00
20.0	52.00	2.7	52.00	9.8	52.00	2.0	52.00
20.4	48.00	2.8	48.00	10.0	48.00	2.0	48.00
21.2	44.00	3.1	44.00	10.3	44.00	2.2	44.00
22.0	40.00	3.1	40.00	10.6	40.00	2.3	40.00

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
23.2	36.00	3.3	36.00	11.1	36.00	2.3	36.00
24.2	32.00	3.4	32.00	12.9	32.00	2.4	32.00
25.0	28.00	3.4	28.00	13.0	28.00	2.4	28.00
25.8	24.00	3.6	24.00	13.1	24.00	2.8	24.00
27.0	20.00	4.3	20.00	14.1	20.00	3.2	20.00
28.0	16.00	4.9	16.00	15.0	16.00	3.3	16.00
28.3	12.00	5.4	12.00	15.4	12.00	3.4	12.00
32.0	8.00	9.9	8.00	20.5	8.00	4.8	8.00
34.0	4.00	25.0	4.00	21.0	4.00	13.0	4.00
STANDARD	10.0		10.0		10.0		10.0
NUMBER	25		25		25		25
RANGE	12.65		6.05		12.80		2.90
DISPLACEM	-20.15		2.35		-7.95		5.90
COEF REL	-1.5929		0.3884		-0.6211		2.0345

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
8.8	100.00	3.4	100.00
11.8	96.00	3.8	96.00
13.0	92.00	4.1	92.00
13.4	88.00	4.4	88.00
14.0	84.00	4.7	84.00
14.0	80.00	5.0	80.00
16.0	76.00	5.1	76.00
17.5	72.00	6.0	72.00
18.0	68.00	6.0	68.00
18.6	64.00	6.3	64.00
20.3	60.00	7.0	60.00
21.8	56.00	8.3	56.00
22.0	52.00	9.4	52.00
23.0	48.00	9.8	48.00
24.3	44.00	13.0	44.00
24.7	40.00	16.0	40.00
25.0	36.00	16.9	36.00
26.4	32.00	18.0	32.00
26.8	28.00	18.0	28.00
28.0	24.00	20.6	24.00
28.9	20.00	21.3	20.00
30.0	16.00	25.1	16.00
31.8	12.00	31.0	12.00
37.0	8.00	31.0	8.00
60.0	4.00	42.0	4.00
STANDARD	10.0		10.0
NUMBER	25		25
RANGE	21.22		26.75
DISPLACEM	-24.42		-21.00
COEF REL	-1.1508		-0.7850

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.0	100.00	0	100.00	0.0	100.00	0.0	100.00
0.0	90.91	0	90.91	0.0	90.91	0.0	90.91
0.0	81.82	0	81.82	0.0	81.82	0.0	81.82
0.0	72.73	0	72.73	0.0	72.73	0.0	72.73
0.0	63.64	0	63.64	0.0	63.64	0.0	63.64
0.0	54.55	0	54.55	0.0	54.55	0.0	54.55
0.0	45.45	0	45.45	0.0	45.45	0.0	45.45
0.0	36.36	0	36.36	0.0	36.36	0.8	36.36
0.6	27.27	0	27.27	0.8	27.27	1.0	27.27
0.6	18.18	0	18.18	0.9	18.18	1.4	18.18
2.9	9.09	0	9.09	1.0	9.09	2.0	9.09
STANDARD	1.5		2		1.5		1.5
NUMBER	11		11		11		11
RANGE	2.67		0.0		1.04		1.94
DISPLACEMENT	-1.17		1.5		0.46		-0.44
COEF REL	-0.4380		9999.9968		0.4437		-0.2268

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.0	100.00	0	100.00	0	100.00	0.0	100.00
0.0	90.91	0	90.91	0	90.91	0.0	90.91
0.0	81.82	0	81.82	0	81.82	0.0	81.82
0.0	72.73	0	72.73	0	72.73	0.0	72.73
0.0	63.64	0	63.64	0	63.64	0.0	63.64
0.0	54.55	0	54.55	0	54.55	0.0	54.55
0.0	45.45	0	45.45	0	45.45	0.0	45.45
0.0	36.36	0	36.36	0	36.36	0.0	36.36
0.6	27.27	0	27.27	0	27.27	0.0	27.27
1.3	18.18	0	18.18	0	18.18	0.6	18.18
2.9	9.09	0	9.09	0	9.09	0.8	9.09
STANDARD	1.5		2		2		1.5
NUMBER	11		11		11		11
RANGE	2.74		0.0		0.0		0.74
DISPLACEM	-1.24		1.5		1.5		0.76
COEF REL	-0.4526		9999.9968		9999.9968		1.0188

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.0	100.00	0.0	100.00
0.0	90.91	0.0	90.00
0.0	81.82	0.6	80.00
0.0	72.73	0.6	70.00
0.0	63.64	0.8	60.00
0.0	54.55	0.8	50.00
0.0	45.45	0.8	40.00
0.0	36.36	1.4	30.00
1.2	27.27	2.0	20.00
2.0	18.18	2.2	10.00
43.0	9.09		
STANDARD	1.5		1.5
NUMBER	11		10
RANGE	128.90		2.20
DISPLACEM	-127.40		-0.70
COEF REL	-0.9884		-0.3182

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.06	100.00	0.01	100.00	0.04	100.00	0.009	100.00
0.09	96.00	0.01	96.00	0.05	96.00	0.017	96.00
0.15	92.00	0.02	92.00	0.06	92.00	0.023	92.00
0.17	88.00	0.02	88.00	0.09	88.00	0.026	88.00
0.19	84.00	0.02	84.00	0.15	84.00	0.028	84.00
0.21	80.00	0.02	80.00	0.15	80.00	0.030	80.00
0.21	76.00	0.03	76.00	0.18	76.00	0.039	76.00
0.21	72.00	0.03	72.00	0.19	72.00	0.059	72.00
0.22	68.00	0.04	68.00	0.28	68.00	0.063	68.00
0.24	64.00	0.05	64.00	0.33	64.00	0.066	64.00
0.25	60.00	0.06	60.00	0.37	60.00	0.067	60.00
0.26	56.00	0.06	56.00	0.39	56.00	0.071	56.00
0.30	52.00	0.08	52.00	0.47	52.00	0.072	52.00
0.31	48.00	0.09	48.00	0.48	48.00	0.082	48.00
0.32	44.00	0.10	44.00	0.52	44.00	0.117	44.00
0.36	40.00	0.10	40.00	0.60	40.00	0.125	40.00
0.36	36.00	0.12	36.00	0.62	36.00	0.133	36.00
0.37	32.00	0.13	32.00	0.65	32.00	0.153	32.00
0.37	28.00	0.13	28.00	0.67	28.00	0.164	28.00
0.39	24.00	0.14	24.00	0.73	24.00	0.169	24.00
0.41	20.00	0.19	20.00	0.75	20.00	0.198	20.00
0.43	16.00	0.20	16.00	0.83	16.00	0.202	16.00
0.51	12.00	0.21	12.00	0.86	12.00	0.265	12.00
0.54	8.00	0.24	8.00	0.90	8.00	0.277	8.00
1.86	4.00	0.49	4.00	0.95	4.00	0.404	4.00
STANDARD	2.00		2.00		2.00		2.000
NUMBER	25		25		25		25
RANGE	0.366		0.207		0.802		0.2465
DISPLACEMENT	1.477		1.773		1.122		1.7290
COEF REL	4.0300		8.5470		1.3975		7.0142

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.05	100.00	0.003	100.00	0.04	100.00	0.007	100.00
0.05	96.00	0.004	96.00	0.04	96.00	0.010	96.00
0.06	92.00	0.005	92.00	0.06	92.00	0.012	92.00
0.07	88.00	0.005	88.00	0.08	88.00	0.012	88.00
0.07	84.00	0.016	84.00	0.08	84.00	0.013	84.00
0.08	80.00	0.016	80.00	0.08	80.00	0.014	80.00
0.09	76.00	0.017	76.00	0.09	76.00	0.017	76.00
0.09	72.00	0.019	72.00	0.10	72.00	0.020	72.00
0.09	68.00	0.022	68.00	0.10	68.00	0.023	68.00
0.12	64.00	0.024	64.00	0.12	64.00	0.023	64.00
0.13	60.00	0.026	60.00	0.12	60.00	0.025	60.00
0.16	56.00	0.028	56.00	0.13	56.00	0.027	56.00
0.16	52.00	0.028	52.00	0.14	52.00	0.037	52.00
0.17	48.00	0.030	48.00	0.16	48.00	0.053	48.00
0.18	44.00	0.037	44.00	0.17	44.00	0.057	44.00
0.21	40.00	0.040	40.00	0.19	40.00	0.067	40.00

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.23	36.00	0.055	36.00	0.26	36.00	0.078	36.00
0.25	32.00	0.057	32.00	0.30	32.00	0.079	32.00
0.26	28.00	0.064	28.00	0.38	28.00	0.095	28.00
0.27	24.00	0.071	24.00	0.39	24.00	0.106	24.00
0.28	20.00	0.073	20.00	0.43	20.00	0.114	20.00
0.31	16.00	0.083	16.00	0.79	16.00	0.124	16.00
0.45	12.00	0.104	12.00	0.99	12.00	0.129	12.00
0.47	8.00	0.109	8.00	1.09	8.00	0.143	8.00
0.63	4.00	0.124	4.00	1.22	4.00	0.155	4.00
STANDARD	2.00		2.000		2.00		2.000
NUMBER	25		25		25		25
RANGE	0.395		0.1015		0.969		0.1240
DISPLACEM	1.543		1.8935		0.960		1.8640
COEF REL	3.9001		18.6552		0.9907		15.0323

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.02	100.00	0.005	100.00
0.02	96.00	0.006	96.00
0.04	92.00	0.006	92.00
0.04	88.00	0.007	88.00
0.05	84.00	0.013	84.00
0.11	80.00	0.013	80.00
0.11	76.00	0.013	76.00
0.11	72.00	0.013	72.00
0.11	68.00	0.014	68.00
0.14	64.00	0.016	64.00
0.14	60.00	0.017	60.00
0.14	56.00	0.017	56.00
0.15	52.00	0.019	52.00
0.17	48.00	0.019	48.00
0.18	44.00	0.019	44.00
0.18	40.00	0.025	40.00
0.18	36.00	0.026	36.00
0.22	32.00	0.033	32.00
0.24	28.00	0.037	28.00
0.33	24.00	0.041	24.00
0.35	20.00	0.092	20.00
0.37	16.00	0.107	16.00
0.39	12.00	0.126	12.00
0.50	8.00	0.134	8.00
0.79	4.00	0.140	4.00
STANDARD	2.00		2.000
NUMBER	25		25
RANGE	0.401		0.1235
DISPLACEM	1.554		1.8700
COEF REL	3.8717		15.1417

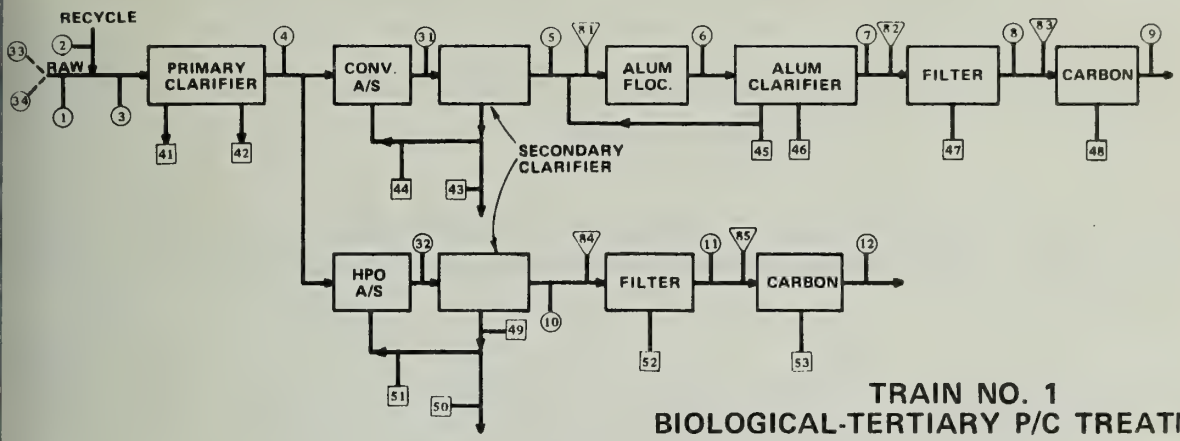
APPENDIX J

SOUTHEAST TEST DATA

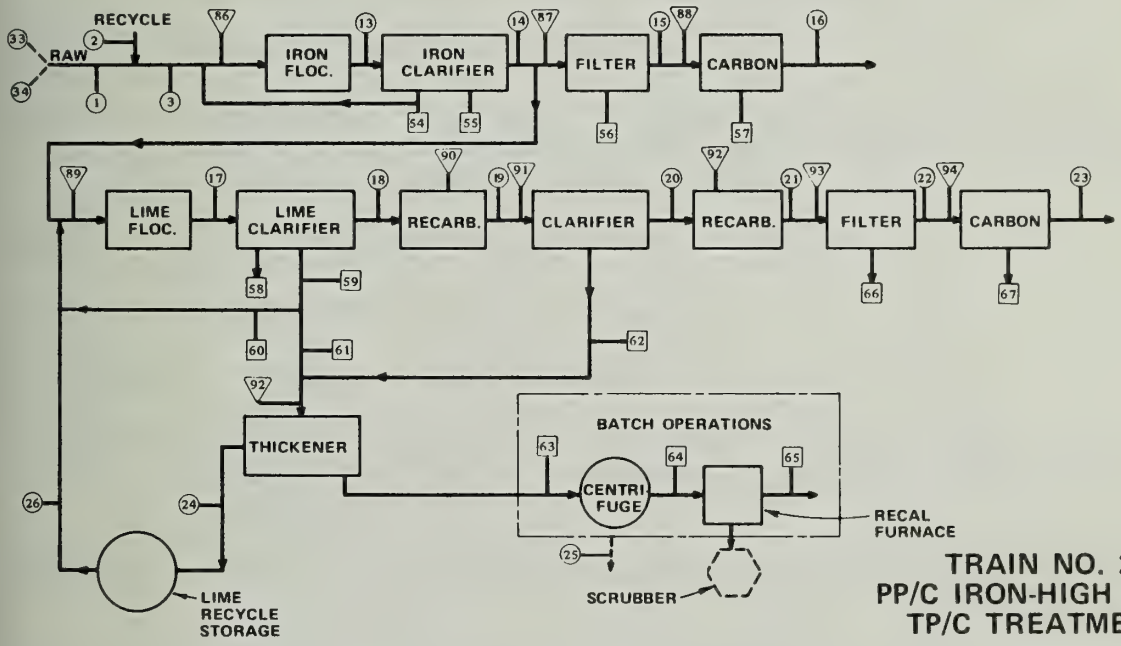
COEFFICIENT OF RELIABILITY

HIGH LEVEL (10%) REQUIREMENTS

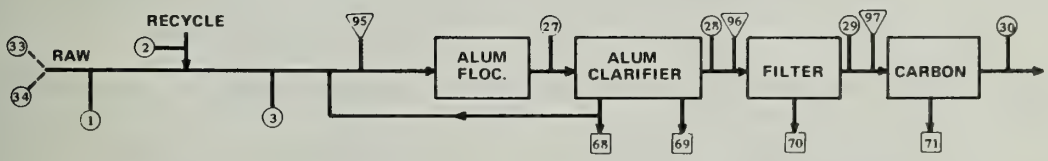
	Page
Arsenic	1
Cadmium	4
Total Chromium	8
Copper	12
Cyanide	16
Lead	20
Mercury	24
Nickel	27
Silver	31
Zinc	35
5-Day BOD	39
Oil and Grease	43
Phenol	47
Ammonia-Nitrogen	51
Floatables	55
Settleable Solids	59
Total Suspended Solids	63
Average Turbidity	71
96-Hour - Toxicity Units	75
Total Chlroinated Hydrocarbons	78



TRAIN NO. 1
BIOLOGICAL-TERTIARY P/C TREATMENT



TRAIN NO. 2
PP/C IRON-HIGH LIME
TP/C TREATMENT



TRAIN NO. 3
TERTIARY PHYSICAL/CHEMICAL TREATMENT

NOTES:

- ① TO ㉞ LIQUID STREAM DATA POINTS
- 41 TO 71 SOLID OR WASTE DATA POINTS
- 81 TO 97 CHEMICAL ADDITION POINTS
- ---- INDICATES NP + SE
- ㉝ SE RAW
- ㉞ NP RAW

SOUTHEAST PILOT PLANT
PROCESS TRAINS AND DATA COLLECTION POINTS

KEY

DATA REVIEW (RVEW) AND CORRELATION COEFFICIENT (CORL) OUTPUT

SE — Phase of Pilot Plant Study during which waste treatment alternatives were investigated for Southeast sewage.

NP+ SE — Phase of Pilot Plant during which waste treatment alternatives were investigated for North Point (75%) plus Southeast (25%) combined sewage.

Date — Date of Sample collection

Non-Specific Process - Sample stations not associated with a particular treatment process. Normally raw sewage or preliminary treated effluent.

A.S. — Activated Sludge Process

H.P.O. — High Purity Oxygen Process

50 Percent - Median value of data set

10 Percent - Value at which 10 percent of the ordered data values are larger and 90 percent of the data values are smaller.

Range (R) - Constituent range of middle 80% of data. Used in calculation of the coefficient of reliability.

Displacement (d) - Constituent displacement from 10 percentile number and given standard.

Standard(s) - Regulatory Standard to which data is compared.

Coefficient of Reliability (Cr) - Arbitrary index to measure efficiency of removal for given constituent and treatment process. Computed from $CR = \frac{1}{R} \times d$. Has range of $-\infty$ to $+\infty$. Negative values indicate noncompliance with standard.

A R S E N I C M I C R O - G / L

2 4 H O U R C O M P O S I T E

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	90.00	1.0	90.00	1.0	90.00	1.0	90.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.0	70.00	1.0	70.00	1.0	70.00	1.0	70.00
1.9	60.00	1.0	60.00	2.0	60.00	1.0	60.00
2.0	50.00	1.0	50.00	2.0	50.00	1.0	50.00
2.0	40.00	1.0	40.00	2.0	40.00	1.9	40.00
2.0	30.00	1.0	30.00	2.0	30.00	2.0	30.00
3.0	20.00	2.0	20.00	2.0	20.00	2.0	20.00
4.0	10.00	2.0	10.00	4.0	10.00	2.0	10.00
STANDARD	20.0		20.0		20.0		20.0
NUMBER	10		10		10		10
RANGE	3.00		1.00		3.00		1.00
DISPLACEMENT	16.00		18.00		16.00		18.00
COEF REL	5.3333		18.0000		5.3333		18.0000

A R S E N I C M I C R O - G / L

2 4 H O U R C O M P O S I T E

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	90.00	1.0	90.00	1.0	90.00	1.0	90.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.0	70.00	1.0	70.00	1.0	70.00	1.0	70.00
1.0	60.00	1.0	60.00	1.0	60.00	1.0	60.00
1.0	50.00	1.0	50.00	1.0	50.00	1.0	50.00
1.0	40.00	1.2	40.00	1.0	40.00	1.0	40.00
2.0	30.00	2.0	30.00	1.0	30.00	1.0	30.00
2.0	20.00	2.0	20.00	2.0	20.00	2.0	20.00
2.0	10.00	2.0	10.00	2.0	10.00	2.0	10.00
STANDARD	20.0		20.0		20.0		20.0
NUMBER	10		10		10		10
RANGE	1.00		1.00		1.00		1.00
DISPLACEM	18.00		18.00		18.00		18.00
COEF REL	18.0000		18.0000		18.0000		18.0000

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
1.0	100.00	1.0	100.00
1.0	90.00	1.0	90.00
1.0	80.00	1.0	80.00
1.0	70.00	1.0	70.00
1.0	60.00	1.0	60.00
1.0	50.00	1.0	50.00
1.4	40.00	1.0	40.00
2.0	30.00	1.0	30.00
2.0	20.00	2.0	20.00
2.0	10.00	2.0	10.00
STANDARD	20.0		20.0
NUMBER	10		10
RANGE	1.00		1.00
DISPLACEM	18.00		18.00
COEF REL	18.0000		18.0000

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	96.00	1.0	96.00	1.0	96.00	1.0	96.00
1.0	92.00	1.0	92.00	1.0	92.00	1.0	92.00
1.0	88.00	1.0	88.00	1.0	88.00	1.0	88.00
1.0	84.00	1.0	84.00	1.0	84.00	1.0	84.00
1.0	80.00	.0	80.00	1.0	80.00	1.0	80.00
1.0	76.00	.0	76.00	1.0	76.00	1.0	76.00
1.0	72.00	0	72.00	1.0	72.00	1.0	72.00
1.0	68.00	1.0	68.00	1.0	68.00	1.0	68.00
1.0	64.00	1.0	64.00	1.0	64.00	1.0	64.00
1.0	60.00	1.0	60.00	1.0	60.00	1.0	60.00
1.0	56.00	1.0	56.00	1.0	56.00	1.0	56.00
1.0	52.00	1.0	52.00	1.0	52.00	1.0	52.00
1.0	48.00	1.0	48.00	1.0	48.00	1.0	48.00
1.0	44.00	1.0	44.00	1.0	44.00	1.0	44.00
1.0	40.00	1.0	40.00	1.0	40.00	1.0	40.00
1.0	36.00	1.0	36.00	1.0	36.00	1.0	36.00
1.0	32.00	1.0	32.00	1.0	32.00	1.0	32.00
1.0	28.00	1.0	28.00	1.1	28.00	1.0	28.00
1.0	24.00	1.0	24.00	1.1	24.00	1.0	24.00
1.1	20.00	1.0	20.00	1.2	20.00	1.0	20.00
1.2	16.00	1.0	16.00	1.4	16.00	1.0	16.00
1.2	12.00	1.0	12.00	1.5	12.00	1.0	12.00
1.7	8.00	1.0	8.00	1.6	8.00	1.0	8.00
2.0	4.00	1.0	4.00	1.7	4.00	1.2	4.00
STANDARD	30.0		30.0		30.0		30.0
NUMBER	25		25		25		25
RANGE	0.45		0.00		0.55		0.00
DISPLACEMENT	28.55		29.00		28.45		29.00
COEF REL	63.4445		9999.9968		51.7273		9999.9968

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	96.00	1.0	96.00	1.0	96.00	1.0	96.00
1.0	92.00	1.0	92.00	1.0	92.00	1.0	92.00
1.0	88.00	1.0	88.00	1.0	88.00	1.0	88.00
1.0	84.00	1.0	84.00	1.0	84.00	1.0	84.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.0	76.00	1.0	76.00	1.0	76.00	1.0	76.00
1.0	72.00	1.0	72.00	1.0	72.00	1.0	72.00
1.0	68.00	1.0	68.00	1.0	68.00	1.0	68.00
1.0	64.00	1.0	64.00	1.0	64.00	1.0	64.00
1.0	60.00	1.0	60.00	1.0	60.00	1.0	60.00
1.0	56.00	1.0	56.00	1.0	56.00	1.0	56.00
1.0	52.00	1.0	52.00	1.0	52.00	1.0	52.00
1.0	48.00	1.0	48.00	1.0	48.00	1.0	48.00
1.0	44.00	1.0	44.00	1.0	44.00	1.0	44.00
1.0	40.00	1.0	40.00	1.0	40.00	1.0	40.00

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.0	36.00	1.0	36.00	1.0	36.00	1.0	36.00
1.0	32.00	1.0	32.00	1.0	32.00	1.0	32.00
1.0	28.00	1.0	28.00	1.0	28.00	1.0	28.00
1.0	24.00	1.0	24.00	1.0	24.00	1.0	24.00
1.0	20.00	1.0	20.00	1.0	20.00	1.0	20.00
1.0	16.00	1.0	16.00	1.2	16.00	1.0	16.00
1.1	12.00	1.0	12.00	1.8	12.00	1.0	12.00
2.0	8.00	1.0	8.00	2.0	8.00	1.0	8.00
2.3	4.00	1.0	4.00	3.1	4.00	1.0	4.00
STANDARD	30.0		30.0		30.0		30.0
NUMBER	25		25		25		25
RANGE	0.55		0.00		0.90		0.00
DISPLACEM	28.45		29.00		28.10		29.00
COEF REL	51.7273		9999.9968		31.2222		9999.9968

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00
1.0	96.00	1.0	96.00
1.0	92.00	1.0	92.00
1.0	88.00	1.0	88.00
1.0	84.00	1.0	84.00
1.0	80.00	1.0	80.00
1.0	76.00	1.0	76.00
1.0	72.00	1.0	72.00
1.0	68.00	1.0	68.00
1.0	64.00	1.0	64.00
1.0	60.00	1.0	60.00
1.0	56.00	1.0	56.00
1.0	52.00	1.0	52.00
1.0	48.00	1.0	48.00
1.0	44.00	1.0	44.00
1.0	40.00	1.0	40.00
1.0	36.00	1.0	36.00
1.0	32.00	1.0	32.00
1.0	28.00	1.0	28.00
1.0	24.00	1.0	24.00
1.0	20.00	1.0	20.00
1.1	16.00	1.0	16.00
1.3	12.00	1.0	12.00
1.7	8.00	1.0	8.00
2.3	4.00	1.0	4.00
STANDARD	30.0		30.0
NUMBER	25		25
RANGE	0.50		0.00
DISPLACEM	28.50		29.00
COEF REL	57.0000		9999.9968

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
25	100.00	1.0	100.00	80	100.00	15	100.00
43	96.00	1.5	96.00	83	96.00	15	96.00
48	92.00	7.0	92.00	130	92.00	18	92.00
53	88.00	7.0	88.00	140	88.00	22	88.00
55	84.00	7.5	84.00	150	84.00	24	84.00
58	80.00	7.5	80.00	150	80.00	27	80.00
59	76.00	7.5	76.00	150	76.00	31	76.00
61	72.00	8.0	72.00	150	72.00	34	72.00
63	68.00	8.0	68.00	160	68.00	38	68.00
78	64.00	11.0	64.00	170	64.00	38	64.00
90	60.00	12.0	60.00	170	60.00	38	60.00
92	56.00	13.0	56.00	210	56.00	40	56.00
95	52.00	18.0	52.00	210	52.00	45	52.00
96	48.00	23.0	48.00	220	48.00	50	48.00
130	44.00	25.0	44.00	220	44.00	51	44.00
140	40.00	30.0	40.00	230	40.00	59	40.00
150	36.00	30.0	36.00	230	36.00	60	36.00
250	32.00	38.0	32.00	250	32.00	61	32.00
260	28.00	40.0	28.00	250	28.00	77	28.00
270	24.00	47.0	24.00	270	24.00	78	24.00
280	20.00	57.0	20.00	300	20.00	100	20.00
280	16.00	65.0	16.00	311	16.00	120	16.00
280	12.00	120.0	12.00	370	12.00	120	12.00
370	8.00	210.0	8.00	550	8.00	130	8.00
550	4.00	400.0	4.00	590	4.00	140	4.00
STANDARD	10		10.0		10		10
NUMBER	25		25		25		25
RANGE	274.5		158.00		325.0		105.0
DISPLACEMENT	-315.0		-155.00		-450.0		-115.0
COEF REL	-1.1475		-0.9810		-1.3846		-1.0952

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
19	100.00	4.5	100.00	5.5	100.00	2.5	100.00
20	96.00	6.5	96.00	6.0	96.00	5.0	96.00
29	92.00	6.5	92.00	10.0	92.00	7.5	92.00
32	88.00	7.5	88.00	11.0	88.00	7.5	88.00
45	84.00	7.5	84.00	11.0	84.00	8.0	84.00
52	80.00	9.0	80.00	14.0	80.00	8.5	80.00
62	76.00	10.0	76.00	15.0	76.00	8.5	76.00
70	72.00	11.0	72.00	22.0	72.00	16.0	72.00
73	68.00	12.0	68.00	24.0	68.00	16.0	68.00
84	64.00	20.0	64.00	24.0	64.00	19.0	64.00
88	60.00	23.0	60.00	25.0	60.00	20.0	60.00
91	56.00	23.0	56.00	25.0	56.00	20.0	56.00
93	52.00	25.0	52.00	25.0	52.00	21.0	52.00
100	48.00	33.0	48.00	30.0	48.00	21.0	48.00
100	44.00	38.0	44.00	34.0	44.00	23.0	44.00
110	40.00	40.0	40.00	34.0	40.00	23.0	40.00

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
120	36.00	40.0	36.00	38.0	36.00	30.0	36.00
120	32.00	40.0	32.00	38.0	32.00	32.0	32.00
120	28.00	43.0	28.00	50.0	28.00	34.0	28.00
120	24.00	44.0	24.00	50.0	24.00	36.0	24.00
130	20.00	49.0	20.00	53.0	20.00	40.0	20.00
170	16.00	70.0	16.00	80.0	16.00	50.0	16.00
180	12.00	78.0	12.00	83.0	12.00	63.0	12.00
200	8.00	83.0	8.00	99.0	8.00	70.0	8.00
280	4.00	95.0	4.00	110.0	4.00	140.0	4.00
STANDARD	10		10.0		10.0		10.0
NUMBER	25		25		25		25
RANGE	159.5		73.50		80.50		59.00
DISPLACEM	-180.0		-70.50		-81.00		-56.50
COEF REL	-1.1285		-0.9592		-1.0062		-0.9576

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
33	100.00	8.0	100.00
38	96.00	8.5	96.00
38	92.00	9.0	92.00
39	88.00	10.0	88.00
47	84.00	12.0	84.00
53	80.00	13.0	80.00
55	76.00	15.0	76.00
60	72.00	16.0	72.00
70	68.00	21.0	68.00
86	64.00	23.0	64.00
90	60.00	24.0	60.00
93	56.00	25.0	56.00
98	52.00	26.0	52.00
100	48.00	28.0	48.00
110	44.00	31.0	44.00
110	40.00	36.0	40.00
120	36.00	37.0	36.00
130	32.00	40.0	32.00
150	28.00	41.0	28.00
150	24.00	48.0	24.00
160	20.00	55.0	20.00
160	16.00	62.0	16.00
180	12.00	80.0	12.00
240	8.00	93.0	8.00
770	4.00	300.0	4.00
STANDARD	10		10.0
NUMBER	25		25
RANGE	171.5		77.00
DISPLACEM	-200.0		-76.50
COEF REL	-1.1662		-0.9935

COPPER MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
5.0	100.00	5.0	100.00	10.0	100.00	5.0	100.00
5.0	96.00	5.0	96.00	12.0	96.00	5.0	96.00
5.0	92.00	5.0	92.00	12.0	92.00	5.0	92.00
5.0	88.00	5.0	88.00	14.0	88.00	5.0	88.00
5.0	84.00	5.0	84.00	14.0	84.00	5.0	84.00
7.0	80.00	5.0	80.00	15.0	80.00	5.0	80.00
8.5	76.00	5.0	76.00	15.0	76.00	5.0	76.00
9.0	72.00	5.0	72.00	16.0	72.00	5.0	72.00
10.0	68.00	5.0	68.00	17.0	68.00	5.0	68.00
10.0	64.00	5.0	64.00	17.0	64.00	5.0	64.00
10.0	60.00	5.0	60.00	18.0	60.00	5.0	60.00
10.0	56.00	5.0	56.00	18.0	56.00	5.0	56.00
11.0	52.00	5.0	52.00	18.0	52.00	5.0	52.00
11.0	48.00	5.0	48.00	18.0	48.00	5.3	48.00
11.0	44.00	5.0	44.00	18.0	44.00	6.0	44.00
13.0	40.00	5.0	40.00	19.0	40.00	6.0	40.00
13.0	36.00	5.0	36.00	20.0	36.00	6.5	36.00
15.0	32.00	5.0	32.00	20.0	32.00	6.5	32.00
15.0	28.00	5.5	28.00	25.0	28.00	10.0	28.00
15.0	24.00	8.0	24.00	25.0	24.00	10.0	24.00
16.0	20.00	10.0	20.00	27.0	20.00	10.0	20.00
16.0	16.00	10.0	16.00	30.0	16.00	12.0	16.00
20.0	12.00	14.0	12.00	30.0	12.00	12.0	12.00
34.0	8.00	16.0	8.00	34.0	8.00	14.0	8.00
55.0	4.00	18.0	4.00	35.0	4.00	14.0	4.00
STANDARD	300.0		300.0		300.0		300.0
NUMBER	25		25		25		25
RANGE	22.00		10.00		19.00		8.00
DISPLACEMENT	273.00		285.00		268.00		287.00
COEF REL	12.4091		28.5000		14.1053		35.8750

COPPER MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
7.5	100.00	5.0	100.00	5.0	100.00	5.0	100.00
7.5	96.00	5.0	96.00	5.0	96.00	5.0	96.00
8.0	92.00	5.0	92.00	5.0	92.00	5.0	92.00
10.0	88.00	5.0	88.00	5.0	88.00	5.0	88.00
10.0	84.00	5.0	84.00	5.0	84.00	5.0	84.00
11.0	80.00	5.0	80.00	5.0	80.00	5.0	80.00
12.0	76.00	5.0	76.00	5.0	76.00	5.0	76.00
13.0	72.00	5.0	72.00	5.0	72.00	5.0	72.00
13.0	68.00	5.0	68.00	5.0	68.00	5.0	68.00
13.0	64.00	5.0	64.00	5.0	64.00	5.0	64.00
13.0	60.00	5.5	60.00	5.0	60.00	5.0	60.00
14.0	56.00	6.5	56.00	5.0	56.00	5.0	56.00
15.0	52.00	7.5	52.00	5.0	52.00	5.0	52.00
15.0	48.00	7.5	48.00	5.0	48.00	5.0	48.00
15.0	44.00	8.0	44.00	5.5	44.00	5.0	44.00
16.0	40.00	8.0	40.00	6.0	40.00	5.0	40.00

COPPER MICRO-G/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
17.0	36.00	8.5	36.00	6.0	36.00	5.5	36.00
17.0	32.00	10.0	32.00	6.5	32.00	6.0	32.00
17.0	28.00	13.0	28.00	8.5	28.00	6.0	28.00
21.0	24.00	13.0	24.00	9.0	24.00	6.0	24.00
23.0	20.00	15.0	20.00	11.0	20.00	7.0	20.00
25.0	16.00	15.0	16.00	13.0	16.00	9.0	16.00
25.0	12.00	20.0	12.00	13.0	12.00	10.0	12.00
26.0	8.00	23.0	8.00	14.0	8.00	11.0	8.00
34.0	4.00	34.0	4.00	17.0	4.00	18.0	4.00
STANDARD	300.0		300.0		300.0		300.0
NUMBER	25		25		25		25
RANGE	16.50		16.50		8.50		5.50
DISPLACEM	274.50		278.50		286.50		289.50
COEF REL	16.6364		16.8788		33.7059		52.6364

COPPER MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
9.5	100.00	5.0	100.00
9.5	96.00	5.0	96.00
10.0	92.00	5.0	92.00
10.0	88.00	5.5	88.00
10.0	84.00	5.5	84.00
12.0	80.00	6.0	80.00
13.0	76.00	7.0	76.00
14.0	72.00	7.0	72.00
14.0	68.00	7.5	68.00
14.0	64.00	7.5	64.00
14.0	60.00	8.0	60.00
15.0	56.00	8.0	56.00
15.0	52.00	8.0	52.00
15.0	48.00	8.5	48.00
15.0	44.00	9.0	44.00
15.0	40.00	9.0	40.00
20.0	36.00	9.5	36.00
24.0	32.00	10.0	32.00
25.0	28.00	11.0	28.00
27.0	24.00	11.0	24.00
28.0	20.00	12.0	20.00
29.0	16.00	14.0	16.00
37.0	12.00	14.0	12.00
39.0	8.00	15.0	8.00
39.0	4.00	31.0	4.00
STANDARD	300.0		300.0
NUMBER	25		25
RANGE	28.00		9.25
DISPLACEM	262.00		285.50
COEF REL	9.3571		30.8649

CYANIDE MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.01	100.00	0.01	100.00	0.01	100.00	0.01	100.00
0.01	96.00	0.01	96.00	0.01	96.00	0.01	96.00
0.01	92.00	0.01	92.00	0.01	92.00	0.01	92.00
0.01	88.00	0.01	88.00	0.01	88.00	0.01	88.00
0.01	84.00	0.01	84.00	0.01	84.00	0.01	84.00
0.01	80.00	0.01	80.00	0.01	80.00	0.01	80.00
0.01	76.00	0.01	76.00	0.01	76.00	0.01	76.00
0.01	72.00	0.01	72.00	0.01	72.00	0.01	72.00
0.01	68.00	0.01	68.00	0.01	68.00	0.01	68.00
0.01	64.00	0.01	64.00	0.01	64.00	0.01	64.00
0.01	60.00	0.01	60.00	0.01	60.00	0.01	60.00
0.01	56.00	0.01	56.00	0.01	56.00	0.01	56.00
0.01	52.00	0.01	52.00	0.01	52.00	0.01	52.00
0.01	48.00	0.01	48.00	0.01	48.00	0.01	48.00
0.01	44.00	0.01	44.00	0.01	44.00	0.01	44.00
0.01	40.00	0.01	40.00	0.01	40.00	0.01	40.00
0.01	36.00	0.01	36.00	0.01	36.00	0.01	36.00
0.01	32.00	0.01	32.00	0.01	32.00	0.01	32.00
0.01	28.00	0.01	28.00	0.01	28.00	0.01	28.00
0.01	24.00	0.01	24.00	0.01	24.00	0.01	24.00
0.01	20.00	0.01	20.00	0.02	20.00	0.01	20.00
0.01	16.00	0.01	16.00	0.02	16.00	0.01	16.00
0.02	12.00	0.01	12.00	0.02	12.00	0.01	12.00
0.02	8.00	0.01	8.00	0.02	8.00	0.01	8.00
0.03	4.00	0.01	4.00	0.02	4.00	0.03	4.00
STANDARD	0.20		0.20		0.20		0.20
NUMBER	25		25		25		25
RANGE	0.010		0.000		0.010		0.000
DISPLACEMENT	0.180		0.190		0.180		0.190
COEF REL	18.0000		9999.9968		18.0000		9999.9968

CYANIDE MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.01	100.00	0.01	100.00	0.01	100.00	0.01	100.00
0.01	96.00	0.01	96.00	0.01	96.00	0.01	96.00
0.01	92.00	0.01	92.00	0.01	92.00	0.01	92.00
0.01	88.00	0.01	88.00	0.01	88.00	0.01	88.00
0.01	84.00	0.01	84.00	0.01	84.00	0.01	84.00
0.01	80.00	0.01	80.00	0.01	80.00	0.01	80.00
0.01	76.00	0.01	76.00	0.01	76.00	0.01	76.00
0.01	72.00	0.01	72.00	0.02	72.00	0.01	72.00
0.01	68.00	0.01	68.00	0.02	68.00	0.01	68.00
0.01	64.00	0.01	64.00	0.02	64.00	0.01	64.00
0.01	60.00	0.01	60.00	0.02	60.00	0.01	60.00
0.01	56.00	0.01	56.00	0.02	56.00	0.01	56.00
0.01	52.00	0.01	52.00	0.02	52.00	0.01	52.00
0.01	48.00	0.01	48.00	0.02	48.00	0.01	48.00
0.01	44.00	0.01	44.00	0.02	44.00	0.01	44.00
0.02	40.00	0.01	40.00	0.02	40.00	0.01	40.00

CYANIDE MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.02	36.00	0.01	36.00	0.02	36.00	0.01	36.00
0.03	32.00	0.02	32.00	0.02	32.00	0.01	32.00
0.03	28.00	0.02	28.00	0.03	28.00	0.02	28.00
0.03	24.00	0.02	24.00	0.03	24.00	0.02	24.00
0.04	20.00	0.02	20.00	0.03	20.00	0.02	20.00
0.04	16.00	0.03	16.00	0.04	16.00	0.02	16.00
0.06	12.00	0.03	12.00	0.04	12.00	0.03	12.00
0.06	8.00	0.06	8.00	0.06	8.00	0.05	8.00
0.08	4.00	0.07	4.00	0.14	4.00	0.06	4.00
STANDARD	0.20		0.20		0.20		0.20
NUMBER	25		25		25		25
RANGE	0.050		0.035		0.040		0.030
DISPLACEM	0.140		0.155		0.150		0.160
COEF REL	2.8000		4.4286		3.7500		5.3333

CYANIDE MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.01	100.00	0.01	100.00
0.01	96.00	0.01	96.00
0.01	92.00	0.01	92.00
0.01	88.00	0.01	88.00
0.01	84.00	0.01	84.00
0.01	80.00	0.01	80.00
0.01	76.00	0.01	76.00
0.01	72.00	0.01	72.00
0.01	68.00	0.01	68.00
0.01	64.00	0.01	64.00
0.01	60.00	0.01	60.00
0.02	56.00	0.01	56.00
0.02	52.00	0.01	52.00
0.02	48.00	0.01	48.00
0.03	44.00	0.01	44.00
0.04	40.00	0.01	40.00
0.04	36.00	0.02	36.00
0.04	32.00	0.03	32.00
0.04	28.00	0.03	28.00
0.05	24.00	0.03	24.00
0.06	20.00	0.03	20.00
0.06	16.00	0.03	16.00
0.07	12.00	0.03	12.00
0.08	8.00	0.06	8.00
0.15	4.00	0.06	4.00
STANDARD	0.20		0.20
NUMBER	25		25
RANGE	0.065		0.035
DISPLACEM	0.125		0.155
COEF REL	1.9231		4.4286

LEAD MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
5.0	100.00	4.0	100.00	5.0	100.00	5.0	100.00
5.0	96.00	5.0	96.00	8.5	96.00	5.0	96.00
5.0	92.00	5.0	92.00	10.0	92.00	5.0	92.00
5.0	88.00	5.0	88.00	10.0	88.00	5.0	88.00
5.0	84.00	5.0	84.00	12.0	84.00	5.0	84.00
6.0	80.00	5.0	80.00	13.0	80.00	5.0	80.00
6.0	76.00	5.0	76.00	13.0	76.00	5.0	76.00
6.5	72.00	5.0	72.00	13.0	72.00	5.0	72.00
7.0	68.00	5.0	68.00	13.0	68.00	5.0	68.00
10.0	64.00	5.0	64.00	14.0	64.00	5.0	64.00
15.0	60.00	5.0	60.00	15.0	60.00	5.0	60.00
16.0	56.00	5.0	56.00	18.0	56.00	5.0	56.00
17.0	52.00	5.0	52.00	19.0	52.00	5.0	52.00
18.0	48.00	6.5	48.00	20.0	48.00	5.0	48.00
18.0	44.00	7.5	44.00	21.0	44.00	5.5	44.00
18.0	40.00	7.5	40.00	21.0	40.00	5.5	40.00
19.0	36.00	9.0	36.00	21.0	36.00	6.0	36.00
19.0	32.00	10.0	32.00	25.0	32.00	7.0	32.00
20.0	28.00	10.0	28.00	29.0	28.00	10.0	28.00
21.0	24.00	10.0	24.00	30.0	24.00	10.0	24.00
23.0	20.00	13.0	20.00	30.0	20.00	11.0	20.00
23.0	16.00	13.0	16.00	31.0	16.00	14.0	16.00
40.0	12.00	14.0	12.00	33.0	12.00	14.0	12.00
48.0	8.00	19.0	8.00	33.0	8.00	15.0	8.00
480.0	4.00	40.0	4.00	60.0	4.00	75.0	4.00
STANDARD	200.0		200.0		200.0		200.0
NUMBER	25		25		25		25
RANGE	39.00		11.50		23.00		9.50
DISPLACEMENT	156.00		183.50		167.00		185.50
COEF REL	4.0000		15.9565		7.2609		19.5263

LEAD MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
5.0	100.00	5.0	100.00	4.0	100.00	5.0	100.00
5.0	96.00	5.0	96.00	5.0	96.00	5.0	96.00
5.0	92.00	5.0	92.00	5.0	92.00	5.0	92.00
5.0	88.00	5.0	88.00	5.0	88.00	5.0	88.00
5.0	84.00	5.0	84.00	5.0	84.00	5.0	84.00
5.0	80.00	5.0	80.00	5.0	80.00	5.0	80.00
5.0	76.00	5.0	76.00	5.0	76.00	5.0	76.00
5.0	72.00	5.0	72.00	5.0	72.00	5.0	72.00
6.0	68.00	5.0	68.00	5.0	68.00	5.0	68.00
7.0	64.00	5.0	64.00	5.0	64.00	5.0	64.00
7.5	60.00	5.0	60.00	5.0	60.00	5.0	60.00
7.5	56.00	5.0	56.00	5.0	56.00	5.0	56.00
8.0	52.00	5.0	52.00	5.0	52.00	5.0	52.00
8.0	48.00	5.0	48.00	5.0	48.00	5.0	48.00
8.3	44.00	5.0	44.00	5.0	44.00	5.0	44.00
10.0	40.00	7.5	40.00	5.0	40.00	5.0	40.00

LEAD MICRO-G/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
10.0	36.00	7.5	36.00	5.0	36.00	6.0	36.00
10.0	32.00	8.0	32.00	7.0	32.00	7.0	32.00
10.0	28.00	9.0	28.00	8.0	28.00	7.5	28.00
14.0	24.00	9.5	24.00	10.0	24.00	8.0	24.00
17.0	20.00	10.0	20.00	10.0	20.00	8.0	20.00
17.0	16.00	10.0	16.00	10.0	16.00	10.0	16.00
20.0	12.00	10.0	12.00	12.0	12.00	10.0	12.00
40.0	8.00	20.0	8.00	17.0	8.00	12.0	8.00
55.0	4.00	50.0	4.00	35.0	4.00	30.0	4.00
STANDARD	200.0		200.0		200.0		200.0
NUMBER	25		25		25		25
RANGE	25.00		10.00		9.50		6.00
DISPLACEM	170.00		185.00		185.50		189.00
COEF REL	6.8000		18.5000		19.5263		31.5000

LEAD MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
5.0	100.00	3.0	100.00
5.0	96.00	5.0	96.00
5.0	92.00	5.0	92.00
5.0	88.00	5.0	88.00
5.0	84.00	5.0	84.00
6.0	80.00	5.0	80.00
6.0	76.00	5.0	76.00
7.5	72.00	5.0	72.00
9.0	68.00	5.0	68.00
10.0	64.00	5.0	64.00
10.0	60.00	5.0	60.00
10.0	56.00	5.0	56.00
10.0	52.00	5.0	52.00
10.0	48.00	5.0	48.00
10.0	44.00	5.0	44.00
11.0	40.00	6.0	40.00
12.0	36.00	6.0	36.00
12.0	32.00	6.5	32.00
15.0	28.00	8.0	28.00
16.0	24.00	9.0	24.00
16.0	20.00	9.0	20.00
18.0	16.00	10.0	16.00
24.0	12.00	19.0	12.00
28.0	8.00	21.0	8.00
50.0	4.00	28.0	4.00
STANDARD	200.0		200.0
NUMBER	25		25
RANGE	21.00		15.00
DISPLACEM	174.00		180.00
COEF REL	8.2857		12.0000

MERCURY MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	0.7	100.00	1.0	100.00	0.7	100.00
1.0	90.00	1.0	90.00	1.0	90.00	1.0	90.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.0	70.00	1.0	70.00	1.0	70.00	1.0	70.00
1.0	60.00	1.0	60.00	1.0	60.00	1.0	60.00
1.0	50.00	1.0	50.00	1.0	50.00	1.0	50.00
1.0	40.00	1.0	40.00	1.0	40.00	1.0	40.00
1.0	30.00	1.0	30.00	1.3	30.00	1.0	30.00
1.7	20.00	1.0	20.00	2.7	20.00	2.0	20.00
25.0	10.00	1.2	10.00	13.0	10.00	4.2	10.00
STANDARD	2.0		2.0		2.0		2.0
NUMBER	10		10		10		10
RANGE	24.00		0.20		12.00		3.20
DISPLACEMENT	-23.00		0.80		-11.00		-2.20
COEF REL	-0.9583		4.0000		-0.9167		-0.6875

MERCURY MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.7	100.00	1.0	100.00	1.0	100.00	0.5	100.00
1.0	90.00	1.0	90.00	1.0	90.00	1.0	90.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.0	70.00	1.0	70.00	1.0	70.00	1.0	70.00
1.0	60.00	1.0	60.00	1.0	60.00	1.0	60.00
1.0	50.00	1.0	50.00	1.0	50.00	1.0	50.00
1.0	40.00	1.0	40.00	1.0	40.00	1.0	40.00
1.0	30.00	1.0	30.00	1.0	30.00	1.0	30.00
1.8	20.00	1.4	20.00	1.0	20.00	1.0	20.00
1.9	10.00	1.6	10.00	1.2	10.00	1.0	10.00
STANDARD	2.0		2.0		2.0		2.0
NUMBER	10		10		10		10
RANGE	0.90		0.60		0.20		0.00
DISPLACEM	0.10		0.40		0.80		1.00
COEF REL	0.1111		0.6667		4.0000		9999.9968

MERCURY MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00
1.0	90.00	1.0	90.00
1.0	80.00	1.0	80.00
1.0	70.00	1.0	70.00
1.0	60.00	1.0	60.00
1.0	50.00	1.0	50.00
1.0	40.00	1.0	40.00
1.0	30.00	1.0	30.00
5.2	20.00	1.0	20.00
15.0	10.00	1.4	10.00
STANDARD	2.0		2.0
NUMBER	10		10
RANGE	14.00		0.40
DISPLACEM	-13.00		0.60
COEF REL	-0.9286		1.5000

NICKEL MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT •LT.OR.EQ. TC VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT •LT.OR.EQ. TC VALUE	SE P.P.C. - A.S. PROCESS	PERCENT •LT.OR.EQ. TC VALUE	SE P.P.C. - A.S. PROCESS	PERCENT •LT.OR.EQ. TC VALUE
5 CONVENTIONAL A.S EFFLENT		9 CARBON COLUMN EFFLENT		10 P.P.C. - A.S. EFFLENT		12 CARBON COLUMN EFFLUENT	
15	100.00	16	100.00	15	100.00	16	100.00
20	96.00	19	96.00	21	96.00	20	96.00
21	92.00	20	92.00	28	92.00	20	92.00
23	88.00	20	88.00	29	88.00	20	88.00
23	84.00	22	84.00	30	84.00	25	84.00
32	80.00	22	80.00	34	80.00	29	80.00
32	76.00	25	76.00	42	76.00	32	76.00
33	72.00	25	72.00	43	72.00	33	72.00
35	68.00	27	68.00	44	68.00	33	68.00
36	64.00	28	64.00	44	64.00	35	64.00
41	60.00	28	60.00	46	60.00	35	60.00
42	56.00	30	56.00	47	56.00	36	56.00
46	52.00	33	52.00	53	52.00	53	52.00
63	48.00	34	48.00	65	48.00	53	48.00
64	44.00	35	44.00	75	44.00	54	44.00
67	40.00	41	40.00	77	40.00	55	40.00
67	36.00	45	36.00	80	36.00	56	36.00
68	32.00	48	32.00	83	32.00	60	32.00
81	28.00	49	28.00	94	28.00	61	28.00
87	24.00	49	24.00	97	24.00	62	24.00
100	20.00	50	20.00	100	20.00	64	20.00
100	16.00	52	16.00	122	16.00	70	16.00
110	12.00	59	12.00	160	12.00	77	12.00
120	8.00	91	8.00	170	8.00	81	8.00
130	4.00	100	4.00	170	4.00	85	4.00
STANDARD	200		200		200		200
NUMBER	25		25		25		25
RANGE	93.0		55.0		136.5		59.0
DISPLACEMENT	85.0		125.0		35.0		121.0
COEF REL	0.9140		2.2727		0.2564		2.0508

NICKEL MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT •LT.OR.EQ. TC VALUE	SE FERRIC PROCESS	PERCENT •LT.OR.EQ. TC VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT •LT.OR.EQ. TC VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT •LT.OR.EQ. TC VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLLENT		23 CARBON COLUMN EFFLUENT	
15	100.00	13	100.00	7.0	100.00	4.0	100.00
25	96.00	16	96.00	8.0	96.00	4.0	96.00
29	92.00	25	92.00	8.5	92.00	5.0	92.00
35	88.00	28	88.00	10.0	88.00	6.0	88.00
37	84.00	30	84.00	10.0	84.00	6.0	84.00
43	80.00	31	80.00	11.0	80.00	6.5	80.00
45	76.00	34	76.00	12.0	76.00	7.5	76.00
50	72.00	37	72.00	13.0	72.00	8.0	72.00
56	68.00	37	68.00	17.0	68.00	8.0	68.00
60	64.00	39	64.00	18.0	64.00	9.0	64.00
60	60.00	40	60.00	15.0	60.00	10.0	60.00
61	56.00	43	56.00	15.0	56.00	11.0	56.00
62	52.00	45	52.00	15.0	52.00	12.0	52.00
64	48.00	45	48.00	22.0	48.00	12.0	48.00
66	44.00	50	44.00	24.0	44.00	13.0	44.00
75	40.00	54	40.00	25.0	40.00	15.0	40.00

SILVER MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.CR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	0.9	100.00	1.4	100.00	1.0	100.00
1.0	96.00	1.0	96.00	2.0	96.00	1.0	96.00
1.0	92.00	1.0	92.00	2.0	92.00	1.0	92.00
1.0	88.00	1.0	88.00	2.0	88.00	1.0	88.00
1.0	84.00	1.0	84.00	2.0	84.00	1.0	84.00
1.0	80.00	1.0	80.00	2.0	80.00	1.0	80.00
1.0	76.00	1.0	76.00	2.5	76.00	1.0	76.00
1.0	72.00	1.0	72.00	2.5	72.00	1.0	72.00
1.0	68.00	1.0	68.00	2.5	68.00	1.0	68.00
1.0	64.00	1.0	64.00	2.6	64.00	1.0	64.00
1.0	60.00	1.0	60.00	2.7	60.00	1.2	60.00
1.0	56.00	1.0	56.00	2.8	56.00	1.2	56.00
1.5	52.00	1.0	52.00	3.0	52.00	1.3	52.00
1.9	48.00	1.0	48.00	3.2	48.00	1.5	48.00
2.0	44.00	1.0	44.00	3.3	44.00	1.6	44.00
2.6	40.00	1.0	40.00	3.5	40.00	1.8	40.00
3.0	36.00	1.0	36.00	4.0	36.00	2.0	36.00
3.0	32.00	1.1	32.00	4.0	32.00	2.0	32.00
3.2	28.00	1.5	28.00	4.0	28.00	2.0	28.00
3.3	24.00	1.5	24.00	4.1	24.00	2.2	24.00
3.7	20.00	1.8	20.00	4.4	20.00	2.4	20.00
4.0	16.00	2.8	16.00	4.9	16.00	2.9	16.00
4.7	12.00	3.0	12.00	6.0	12.00	3.0	12.00
11.0	8.00	5.0	8.00	6.0	8.00	3.0	8.00
21.0	4.00	7.0	4.00	7.0	4.00	3.4	4.00
STANDARD	40.0		40.0		40.0		40.0
NUMBER	25		25		25		25
RANGE	6.85		3.00		4.00		2.00
DISPLACEMENT	32.15		36.00		34.00		37.00
COEF REL	4.6934		12.0000		8.5000		18.5000

SILVER MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	96.00	1.0	96.00	1.0	96.00	1.0	96.00
1.0	92.00	1.0	92.00	1.0	92.00	1.0	92.00
1.0	88.00	1.0	88.00	1.0	88.00	1.0	88.00
1.0	84.00	1.0	84.00	1.0	84.00	1.0	84.00
1.0	80.00	1.0	80.00	1.0	80.00	1.0	80.00
1.3	76.00	1.0	76.00	1.0	76.00	1.0	76.00
1.5	72.00	1.0	72.00	1.0	72.00	1.0	72.00
1.8	68.00	1.1	68.00	1.0	68.00	1.0	68.00
1.9	64.00	1.2	64.00	1.0	64.00	1.0	64.00
2.0	60.00	1.2	60.00	1.0	60.00	1.0	60.00
2.2	56.00	1.3	56.00	1.0	56.00	1.0	56.00
2.2	52.00	1.4	52.00	1.0	52.00	1.0	52.00
2.4	48.00	1.6	48.00	1.0	48.00	1.0	48.00
2.5	44.00	1.7	44.00	1.0	44.00	1.1	44.00
2.8	40.00	1.8	40.00	1.2	40.00	1.2	40.00

SILVER MICRO-G/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT •LT•OR•EQ• TO VALUE	SE FERRIC PROCESS	PERCENT •LT•OR•EQ• TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT •LT•OR•EQ• TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT •LT•OR•EQ• TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
2.9	36.00	2.0	36.00	1.3	36.00	1.5	36.00
2.9	32.00	2.0	32.00	1.3	32.00	1.6	32.00
4.0	28.00	2.0	28.00	1.9	28.00	1.8	28.00
4.0	24.00	2.0	24.00	2.0	24.00	1.9	24.00
4.5	20.00	2.0	20.00	2.0	20.00	2.0	20.00
5.0	16.00	2.1	16.00	2.0	16.00	2.0	16.00
5.0	12.00	2.3	12.00	2.0	12.00	2.0	12.00
6.0	8.00	2.6	8.00	4.0	8.00	2.8	8.00
7.0	4.00	5.0	4.00	5.7	4.00	3.0	4.00
STANDARD	40.0		40.0		40.0		40.0
NUMBER	25		25		25		25
RANGE	4.50		1.45		2.00		1.40
DISPLACEM	34.50		37.55		37.00		37.60
COEF REL	7.6667		25.8965		18.5000		26.8571

SILVER MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT •LT•OR•EQ• TO VALUE	SE HIGH ALUM PROCESS	PERCENT •LT•CR•EQ• TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00
1.0	96.00	1.0	96.00
1.3	92.00	1.0	92.00
1.3	88.00	1.0	88.00
1.4	84.00	1.0	84.00
1.5	80.00	1.0	80.00
1.5	76.00	1.0	76.00
2.0	72.00	1.0	72.00
2.3	68.00	1.0	68.00
2.3	64.00	1.0	64.00
2.3	60.00	1.0	60.00
2.4	56.00	1.0	56.00
2.5	52.00	1.1	52.00
2.5	48.00	1.2	48.00
3.0	44.00	1.6	44.00
3.0	40.00	1.6	40.00
3.4	36.00	1.7	36.00
4.0	32.00	2.0	32.00
4.7	28.00	2.0	28.00
5.0	24.00	2.0	24.00
5.0	20.00	2.1	20.00
6.0	16.00	3.0	16.00
6.0	12.00	3.0	12.00
8.0	8.00	4.0	8.00
8.0	4.00	6.0	4.00
STANDARD	40.0		40.0
NUMBER	25		25
RANGE	5.70		2.50
DISPLACEM	33.00		36.50
COEF REL	5.7895		14.6000

ZINC MICRO-G/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TC VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
15	100.00	1.3	100.00	4.3	100.00	1.5	100.00
16	96.00	4.6	96.00	10.8	96.00	8.1	96.00
80	92.00	26.0	92.00	130.0	92.00	47.0	92.00
82	88.00	30.0	88.00	140.0	88.00	70.0	88.00
100	84.00	31.0	84.00	150.0	84.00	80.0	84.00
110	80.00	38.0	80.00	160.0	80.00	90.0	80.00
110	76.00	40.0	76.00	170.0	76.00	90.0	76.00
120	72.00	42.0	72.00	172.0	72.00	110.0	72.00
130	68.00	51.0	68.00	180.0	68.00	110.0	68.00
130	64.00	53.0	64.00	180.0	64.00	130.0	64.00
130	60.00	60.0	60.00	190.0	60.00	130.0	60.00
140	56.00	94.0	56.00	210.0	56.00	130.0	56.00
150	52.00	102.0	52.00	220.0	52.00	140.0	52.00
230	48.00	110.0	48.00	222.0	48.00	141.0	48.00
274	44.00	110.0	44.00	240.0	44.00	160.0	44.00
280	40.00	110.0	40.00	270.0	40.00	180.0	40.00
360	36.00	150.0	36.00	300.0	36.00	180.0	36.00
400	32.00	180.0	32.00	310.0	32.00	194.0	32.00
430	28.00	180.0	28.00	380.0	28.00	200.0	28.00
460	24.00	188.0	24.00	460.0	24.00	220.0	24.00
470	20.00	220.0	20.00	590.0	20.00	360.0	20.00
520	16.00	260.0	16.00	640.0	16.00	500.0	16.00
530	12.00	290.0	12.00	1100.0	12.00	550.0	12.00
830	8.00	380.0	8.00	1300.0	8.00	800.0	8.00
1,900	4.00	490.0	4.00	2600.0	4.00	830.0	4.00
STANDARD	500		500.0		500.0		500.0
NUMBER	25		25		25		25
RANGE	599.0		307.00		1065.00		616.50
DISPLACEMENT	-180.0		165.00		-700.00		-175.00
COEF REL	-0.3005		0.5375		-0.6573		-0.2839

ZINC MICRO-G/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
3.3	100.00	2.4	100.00	1.0	100.00	0.6	100.00
14.3	96.00	21.0	96.00	1.5	96.00	6.0	96.00
39.0	92.00	40.0	92.00	5.0	92.00	10.0	92.00
90.0	88.00	45.0	88.00	7.0	88.00	12.0	88.00
110.0	84.00	49.0	84.00	10.0	84.00	13.0	84.00
110.0	80.00	50.0	80.00	12.0	80.00	19.0	80.00
110.0	76.00	51.0	76.00	13.0	76.00	19.0	76.00
119.0	72.00	70.0	72.00	14.0	72.00	20.0	72.00
120.0	68.00	82.0	68.00	14.0	68.00	20.0	68.00
130.0	64.00	93.8	64.00	14.0	64.00	25.0	64.00
150.0	60.00	95.0	60.00	18.0	60.00	25.0	60.00
160.0	56.00	100.0	56.00	19.0	56.00	26.0	56.00
170.0	52.00	110.0	52.00	19.0	52.00	28.0	52.00
170.0	48.00	110.0	48.00	20.0	48.00	28.0	48.00
180.0	44.00	110.0	44.00	21.0	44.00	29.0	44.00
190.0	40.00	140.0	40.00	22.0	40.00	30.0	40.00

ZINC MICRO-G/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
190.0	36.00	170.0	36.00	23.0	36.00	30.0	36.00
250.0	32.00	197.0	32.00	28.0	32.00	31.0	32.00
270.0	28.00	270.0	28.00	29.0	28.00	40.0	28.00
300.0	24.00	280.0	24.00	30.0	24.00	41.0	24.00
300.0	20.00	310.0	20.00	33.0	20.00	46.0	20.00
300.0	16.00	330.0	16.00	50.0	16.00	47.0	16.00
340.0	12.00	350.0	12.00	50.0	12.00	49.0	12.00
390.0	8.00	750.0	8.00	50.0	8.00	50.0	8.00
3200.0	4.00	3200.0	4.00	80.0	4.00	60.0	4.00
STANDARD	500.0		500.0		500.0		500.0
NUMBER	25		25		25		25
RANGE	300.50		507.50		44.00		38.50
DISPLACEM	135.00		-50.00		450.00		450.50
COEF REL	0.4493		-0.0985		10.2273		11.7013

ZINC MICRO-G/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
6.6	100.00	1.0	100.00
42.0	96.00	7.0	96.00
53.0	92.00	8.0	92.00
70.0	88.00	10.0	88.00
85.0	84.00	11.0	84.00
89.0	80.00	13.0	80.00
90.0	76.00	14.0	76.00
90.0	72.00	14.0	72.00
99.0	68.00	17.0	68.00
100.0	64.00	17.5	64.00
120.0	60.00	18.0	60.00
130.0	56.00	20.0	56.00
140.0	52.00	20.0	52.00
140.0	48.00	20.0	48.00
150.0	44.00	22.5	44.00
150.0	40.00	23.0	40.00
150.0	36.00	23.0	36.00
154.0	32.00	29.0	32.00
180.0	28.00	30.0	28.00
190.0	24.00	32.0	24.00
210.0	20.00	33.0	20.00
300.0	16.00	60.0	16.00
440.0	12.00	70.0	12.00
450.0	8.00	130.0	8.00
2800.0	4.00	347.0	4.00
STANDARD	500.0		500.0
NUMBER	25		25
RANGE	383.50		91.00
DISPLACEM	55.00		400.00
COEF REL	0.1434		4.3956

5 DAY BOD MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE M.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE M.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 M.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
3.9	100.00	1.0	100.00	4.8	100.00	0.8	100.00
4.4	96.00	1.2	96.00	5.4	96.00	1.8	96.00
5.8	92.00	1.2	92.00	6.8	92.00	2.0	92.00
6.4	88.00	1.2	88.00	7.0	88.00	2.4	88.00
6.4	84.00	1.4	84.00	7.2	84.00	2.4	84.00
7.6	80.00	1.6	80.00	7.2	80.00	2.5	80.00
7.8	76.00	1.9	76.00	7.6	76.00	2.6	76.00
8.1	72.00	2.0	72.00	8.0	72.00	2.7	72.00
8.8	68.00	2.2	68.00	8.2	68.00	2.7	68.00
9.4	64.00	2.3	64.00	9.1	64.00	2.8	64.00
9.7	60.00	2.4	60.00	9.2	60.00	2.9	60.00
10.8	56.00	2.9	56.00	9.4	56.00	3.2	56.00
11.6	52.00	3.2	52.00	9.7	52.00	3.2	52.00
11.8	48.00	3.2	48.00	10.3	48.00	3.4	48.00
12.1	44.00	3.6	44.00	10.8	44.00	3.5	44.00
13.0	40.00	4.4	40.00	11.3	40.00	3.9	40.00
13.6	36.00	4.6	36.00	12.3	36.00	4.1	36.00
14.8	32.00	4.9	32.00	12.4	32.00	4.4	32.00
15.7	28.00	5.2	28.00	13.0	28.00	4.4	28.00
16.0	24.00	5.3	24.00	13.2	24.00	5.0	24.00
23.4	20.00	5.7	20.00	14.2	20.00	6.1	20.00
28.0	16.00	6.1	16.00	14.8	16.00	6.6	16.00
29.3	12.00	6.5	12.00	20.0	12.00	9.0	12.00
37.9	8.00	9.5	8.00	20.6	8.00	16.5	8.00
45.0	4.00	17.0	4.00	44.8	4.00	17.0	4.00
STANDARD	45.0		45.0		45.0		45.0
NUMBER	25		25		25		25
RANGE	27.50		6.80		13.40		10.55
DISPLACEMENT	11.40		37.00		24.70		32.25
COEF REL	0.4145		5.4412		1.8433		3.0569

5 DAY BOD MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECCND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
18	100.00	6.4	100.00	16	100.00	3.7	100.00
28	96.00	9.1	96.00	17	96.00	5.0	96.00
29	92.00	10.5	92.00	23	92.00	7.6	92.00
30	88.00	11.2	88.00	24	88.00	15.4	88.00
38	84.00	12.3	84.00	25	84.00	16.5	84.00
41	80.00	13.4	80.00	28	80.00	19.2	80.00
47	76.00	17.7	76.00	33	76.00	20.8	76.00
62	72.00	18.6	72.00	40	72.00	21.0	72.00
63	68.00	20.4	68.00	41	68.00	21.4	68.00
67	64.00	23.1	64.00	41	64.00	22.4	64.00
67	60.00	26.8	60.00	41	60.00	23.4	60.00
73	56.00	27.1	56.00	42	56.00	25.7	56.00
73	52.00	29.1	52.00	44	52.00	26.3	52.00
81	48.00	29.7	48.00	45	48.00	30.6	48.00
83	44.00	31.6	44.00	46	44.00	31.6	44.00
84	40.00	36.7	40.00	47	40.00	34.8	40.00

5 DAY BOD MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLLENT		23 CARBON COLUMN EFFLUENT	
87	36.00	41.7	36.00	48	36.00	37.8	36.00
96	32.00	44.0	32.00	51	32.00	39.0	32.00
110	28.00	48.0	28.00	52	28.00	44.4	28.00
110	24.00	50.2	24.00	63	24.00	47.3	24.00
115	20.00	51.6	20.00	65	20.00	51.0	20.00
130	16.00	57.2	16.00	67	16.00	55.8	16.00
136	12.00	60.6	12.00	70	12.00	58.7	12.00
138	8.00	65.0	8.00	73	8.00	61.5	8.00
140	4.00	71.1	4.00	75	4.00	67.3	4.00
STANDARD	45		45.0		45		45.0
NUMBER	25		25		25		25
RANGE	107.1		51.95		48.1		48.60
DISPLACEM	-92.0		-17.80		-26.4		-15.10
COEF REL	-0.8586		-0.3426		-0.5499		-0.3107

5 DAY BOD MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
10	100.00	6.5	100.00
16	96.00	7.8	96.15
21	92.00	8.0	92.31
24	88.00	8.6	88.46
30	84.00	8.9	84.62
32	80.00	9.3	80.77
35	76.00	9.4	76.92
44	72.00	9.6	73.08
48	68.00	9.7	69.23
50	64.00	9.7	65.38
54	60.00	17.0	61.54
61	56.00	20.5	57.69
63	52.00	22.4	53.85
70	48.00	23.7	50.00
73	44.00	27.0	46.15
73	40.00	27.4	42.31
80	36.00	32.8	38.46
88	32.00	37.7	34.62
95	28.00	39.5	30.77
97	24.00	40.1	26.92
98	20.00	42.1	23.08
100	16.00	44.0	19.23
105	12.00	49.3	15.38
132	8.00	57.0	11.54
134	4.00	61.2	7.69
		106.0	3.85
STANDARD	45		45.0
NUMBER	25		26
RANGE	95.7		50.32
DISPLACEM	-73.5		-13.68
COEF REL	-0.7680		-0.2719

OIL & GREASE MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TC VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.2	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.2	96.00	0.2	96.00	0.1	96.00	0.1	96.00
0.4	92.00	0.4	92.00	0.1	92.00	0.2	92.00
1.1	88.00	0.4	88.00	0.4	88.00	0.2	88.00
1.2	84.00	0.6	84.00	1.2	84.00	0.4	84.00
1.2	80.00	1.2	80.00	1.5	80.00	0.4	80.00
1.3	76.00	1.3	76.00	1.6	76.00	0.8	76.00
1.4	72.00	1.4	72.00	1.8	72.00	1.0	72.00
1.8	68.00	1.4	68.00	2.2	68.00	1.0	68.00
2.2	64.00	1.5	64.00	2.2	64.00	1.2	64.00
2.2	60.00	1.7	60.00	2.4	60.00	1.4	60.00
2.3	56.00	1.9	56.00	2.4	56.00	1.6	56.00
2.6	52.00	2.0	52.00	2.6	52.00	1.8	52.00
2.6	48.00	2.2	48.00	2.6	48.00	2.4	48.00
2.8	44.00	2.2	44.00	2.8	44.00	3.0	44.00
3.4	40.00	2.4	40.00	3.0	40.00	3.6	40.00
4.0	36.00	2.8	36.00	3.4	36.00	3.8	36.00
4.0	32.00	3.2	32.00	3.4	32.00	4.0	32.00
4.1	28.00	3.3	28.00	3.6	28.00	4.0	28.00
4.2	24.00	3.4	24.00	4.0	24.00	4.1	24.00
4.4	20.00	3.6	20.00	5.0	20.00	5.1	20.00
4.6	16.00	3.6	16.00	5.2	16.00	5.2	16.00
5.6	12.00	3.6	12.00	10.4	12.00	5.4	12.00
6.7	8.00	3.8	8.00	25.0	8.00	15.4	8.00
8.2	4.00	7.4	4.00	27.0	4.00	24.0	4.00
STANDARD	15.0		15.0		15.0		15.0
NUMBER	25		25		25		25
RANGE	5.40		3.30		17.45		10.20
DISPLACEMENT	8.85		11.30		-2.70		4.60
COEF REL	1.6389		3.4242		-0.1547		0.4510

OIL & GREASE MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.3	96.00	0.1	96.00	0.1	96.00	0.2	96.00
0.4	92.00	0.2	92.00	0.1	92.00	0.2	92.00
0.6	88.00	0.3	88.00	0.1	88.00	0.2	88.00
1.6	84.00	0.6	84.00	0.2	84.00	0.3	84.00
1.8	80.00	0.8	80.00	0.4	80.00	0.4	80.00
2.2	76.00	1.2	76.00	0.8	76.00	0.4	76.00
2.4	72.00	1.2	72.00	0.8	72.00	0.5	72.00
2.4	68.00	1.3	68.00	1.0	68.00	0.6	68.00
2.4	64.00	1.6	64.00	1.0	64.00	1.2	64.00
2.4	60.00	2.0	60.00	1.6	60.00	1.4	60.00
2.6	56.00	2.0	56.00	1.6	56.00	1.5	56.00
2.6	52.00	2.2	52.00	1.8	52.00	1.7	52.00
2.6	48.00	2.2	48.00	2.3	48.00	2.0	48.00
2.8	44.00	2.6	44.00	2.6	44.00	2.0	44.00
3.0	40.00	2.8	40.00	2.6	40.00	2.1	40.00

OIL & GREASE MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
4.1	36.00	3.0	36.00	2.8	36.00	2.2	36.00
4.2	32.00	3.2	32.00	3.2	32.00	3.0	32.00
5.0	28.00	3.9	28.00	3.3	28.00	3.0	28.00
5.0	24.00	4.8	24.00	3.9	24.00	3.6	24.00
5.6	20.00	5.4	20.00	4.8	20.00	4.2	20.00
6.0	16.00	5.4	16.00	5.0	16.00	7.4	16.00
6.0	12.00	8.0	12.00	5.2	12.00	27.0	12.00
7.4	8.00	25.0	8.00	6.6	8.00	34.0	8.00
35.0	4.00	33.0	4.00	25.0	4.00	42.0	4.00
STANDARD	15.0		15.0		15.0		15.0
NUMBER	25		25		25		25
RANGE	6.20		16.25		5.80		30.30
DISPLACEM	8.30		-1.50		9.10		-15.50
COEF REL	1.3387		-0.0923		1.5690		-0.5116

OIL & GREASE MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.4	100.00	0.1	100.00
0.6	96.00	0.2	96.00
0.8	92.00	0.2	92.00
2.0	88.00	0.4	88.00
2.2	84.00	0.4	84.00
2.2	80.00	1.0	80.00
2.8	76.00	1.1	76.00
2.8	72.00	1.2	72.00
3.5	68.00	1.4	68.00
3.6	64.00	1.6	64.00
4.1	60.00	2.0	60.00
4.6	56.00	2.2	56.00
4.6	52.00	2.4	52.00
5.2	48.00	2.5	48.00
6.2	44.00	2.8	44.00
6.6	40.00	3.2	40.00
7.0	36.00	3.4	36.00
7.0	32.00	3.8	32.00
7.8	28.00	3.8	28.00
8.0	24.00	4.6	24.00
9.0	20.00	7.2	20.00
11.4	16.00	12.8	16.00
33.0	12.00	23.0	12.00
39.0	8.00	25.0	8.00
40.0	4.00	63.0	4.00
STANDARD	15.0		15.0
NUMBER	25		25
RANGE	34.60		23.70
DISPLACEM	-21.00		-9.00
COEF REL	-0.6069		-0.3797

PHENOL MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.004	100.00	0.001	100.00	0.01	100.00	0.001	100.00
0.009	96.00	0.001	96.00	0.01	96.00	0.001	96.00
0.012	92.00	0.001	92.00	0.02	92.00	0.001	92.00
0.012	88.00	0.001	88.00	0.02	88.00	0.001	88.00
0.015	84.00	0.001	84.00	0.02	84.00	0.001	84.00
0.020	80.00	0.001	80.00	0.02	80.00	0.001	80.00
0.021	76.00	0.001	76.00	0.02	76.00	0.001	76.00
0.021	72.00	0.001	72.00	0.02	72.00	0.001	72.00
0.022	68.00	0.001	68.00	0.02	68.00	0.001	68.00
0.022	64.00	0.001	64.00	0.03	64.00	0.001	64.00
0.023	60.00	0.001	60.00	0.03	60.00	0.001	60.00
0.023	56.00	0.001	56.00	0.03	56.00	0.001	56.00
0.024	52.00	0.001	52.00	0.03	52.00	0.001	52.00
0.026	48.00	0.001	48.00	0.03	48.00	0.001	48.00
0.027	44.00	0.001	44.00	0.03	44.00	0.001	44.00
0.027	40.00	0.001	40.00	0.04	40.00	0.001	40.00
0.030	36.00	0.001	36.00	0.04	36.00	0.001	36.00
0.032	32.00	0.001	32.00	0.04	32.00	0.001	32.00
0.034	28.00	0.001	28.00	0.04	28.00	0.001	28.00
0.035	24.00	0.001	24.00	0.04	24.00	0.001	24.00
0.036	20.00	0.001	20.00	0.04	20.00	0.001	20.00
0.042	16.00	0.001	16.00	0.05	16.00	0.001	16.00
0.046	12.00	0.001	12.00	0.05	12.00	0.001	12.00
0.055	8.00	0.002	8.00	0.05	8.00	0.003	8.00
0.130	4.00	0.003	4.00	0.41	4.00	0.093	4.00
STANDARD	1.000		1.000		1.00		1.000
NUMBER	25		25		25		25
RANGE	0.0385		0.0005		0.034		0.0010
DISPLACEMENT	0.9495		0.9985		0.948		0.9980
COEF REL	24.6623		1997.0004		27.8971		998.0002

PHENOL MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLLENT		23 CARBON COLUMN EFFLUENT	
0.06	100.00	0.001	100.00	0.2	100.00	0.001	100.00
0.17	96.00	0.001	96.00	0.2	96.00	0.001	96.00
0.21	92.00	0.001	92.00	0.2	92.00	0.001	92.00
0.23	88.00	0.001	88.00	0.2	88.00	0.001	88.00
0.24	84.00	0.001	84.00	0.2	84.00	0.001	84.00
0.24	80.00	0.001	80.00	0.2	80.00	0.001	80.00
0.26	76.00	0.001	76.00	0.3	76.00	0.001	76.00
0.26	72.00	0.001	72.00	0.3	72.00	0.001	72.00
0.27	68.00	0.001	68.00	0.3	68.00	0.001	68.00
0.28	64.00	0.001	64.00	0.3	64.00	0.001	64.00
0.29	60.00	0.001	60.00	0.3	60.00	0.001	60.00
0.30	56.00	0.001	56.00	0.3	56.00	0.001	56.00
0.31	52.00	0.001	52.00	0.3	52.00	0.001	52.00
0.32	48.00	0.001	48.00	0.3	48.00	0.001	48.00
0.32	44.00	0.001	44.00	0.3	44.00	0.001	44.00
0.32	40.00	0.001	40.00	0.3	40.00	0.001	40.00

PHENOL MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.33	36.00	0.001	36.00	0.3	36.00	0.001	36.00
0.34	32.00	0.001	32.00	0.3	32.00	0.001	32.00
0.34	28.00	0.001	28.00	0.3	28.00	0.001	28.00
0.36	24.00	0.001	24.00	0.3	24.00	0.001	24.00
0.36	20.00	0.001	20.00	0.4	20.00	0.001	20.00
0.37	16.00	0.001	16.00	0.4	16.00	0.001	16.00
0.38	12.00	0.003	12.00	0.4	12.00	0.001	12.00
0.45	8.00	0.004	8.00	0.4	8.00	0.002	8.00
0.53	4.00	0.010	4.00	0.6	4.00	0.022	4.00
STANDARD	1.00		1.000		1.0		1.000
NUMBER	25		25		25		25
RANGE	0.194		0.0025		0.19		0.0005
DISPLACEM	0.585		0.9965		0.60		0.9985
COEF REL	3.0155		398.6000		3.2225		1997.0004

PHENOL MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.1	100.00	0.001	100.00
0.1	96.00	0.001	96.00
0.2	92.00	0.001	92.00
0.2	88.00	0.001	88.00
0.2	84.00	0.001	84.00
0.2	80.00	0.001	80.00
0.2	76.00	0.001	76.00
0.2	72.00	0.001	72.00
0.2	68.00	0.001	68.00
0.3	64.00	0.001	64.00
0.3	60.00	0.001	60.00
0.3	56.00	0.001	56.00
0.3	52.00	0.001	52.00
0.3	48.00	0.001	48.00
0.3	44.00	0.001	44.00
0.3	40.00	0.001	40.00
0.3	36.00	0.001	36.00
0.3	32.00	0.001	32.00
0.3	28.00	0.001	28.00
0.3	24.00	0.001	24.00
0.3	20.00	0.001	20.00
0.4	16.00	0.002	16.00
0.4	12.00	0.002	12.00
0.4	8.00	0.005	8.00
0.4	4.00	1.000	4.00
STANDARD	1.0		1.000
NUMBER	25		25
RANGE	0.21		0.0025
DISPLACEM	0.62		0.9965
COEF REL	2.8765		398.6000

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	0.7	100.00	2.9	100.00	7.8	100.00
1.4	96.00	1.2	96.00	9.8	96.00	9.4	96.00
3.0	92.00	1.4	92.00	10.0	92.00	10.0	92.00
3.4	88.00	1.6	88.00	10.0	88.00	10.2	88.00
6.0	84.00	1.6	84.00	12.0	84.00	10.4	84.00
6.9	80.00	2.3	80.00	12.4	80.00	11.0	80.00
7.0	76.00	2.7	76.00	12.6	76.00	12.4	76.00
7.2	72.00	2.8	72.00	13.0	72.00	12.4	72.00
7.6	68.00	3.8	68.00	13.2	68.00	13.6	68.00
7.8	64.00	4.6	64.00	13.4	64.00	13.6	64.00
8.0	60.00	5.3	60.00	13.8	60.00	13.8	60.00
8.0	56.00	5.8	56.00	14.0	56.00	14.0	56.00
8.2	52.00	6.2	52.00	14.0	52.00	14.8	52.00
9.4	48.00	6.2	48.00	14.2	48.00	14.8	48.00
10.0	44.00	8.4	44.00	14.4	44.00	15.0	44.00
10.4	40.00	9.0	40.00	15.0	40.00	15.2	40.00
10.6	36.00	9.6	36.00	15.2	36.00	15.2	36.00
10.6	32.00	9.8	32.00	15.4	32.00	15.6	32.00
11.0	28.00	10.0	28.00	15.6	28.00	15.6	28.00
11.2	24.00	10.2	24.00	16.4	24.00	15.6	24.00
11.8	20.00	10.6	20.00	16.4	20.00	16.0	20.00
12.4	16.00	10.6	16.00	16.4	16.00	16.4	16.00
13.4	12.00	11.0	12.00	18.0	12.00	18.4	12.00
14.4	8.00	13.8	8.00	18.4	8.00	18.4	8.00
16.0	4.00	15.0	4.00	22.8	4.00	22.8	4.00
STANDARD	60.0		60.0		60.0		60.0
NUMBER	25		25		25		25
RANGE	10.70		10.90		8.20		8.30
DISPLACEMENT	46.10		47.60		41.80		41.60
COEF REL	4.3084		4.3670		5.0976		5.0120

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
13	100.00	2.4	100.00	12	100.00	4.8	100.00
		4.8	96.00			7.6	96.00
		8.8	92.00			8.8	92.00
		9.6	88.00			10.0	88.00
		11.6	84.00			10.4	84.00
		12.0	80.00			10.8	80.00
		12.0	76.00			12.0	76.00
		12.4	72.00			12.4	72.00
		12.6	68.00			12.4	68.00
		12.8	64.00			12.7	64.00
		13.0	60.00			12.8	60.00
		13.4	56.00			13.0	56.00
		14.0	52.00			13.0	52.00
		14.4	48.00			13.0	48.00
		14.8	44.00			13.0	44.00
		15.6	40.00			13.4	40.00

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
		15.6	36.00			14.0	36.00
		16.4	32.00			14.0	32.00
		16.4	28.00			14.4	28.00
		16.8	24.00			14.8	24.00
		17.2	20.00			14.8	20.00
		17.8	16.00			15.2	16.00
		18.0	12.00			15.6	12.00
		18.0	8.00			16.4	8.00
		18.4	4.00			25.6	4.00
STANDARD	60		60.0		60		60.0
NUMBER	1		25		1		25
RANGE	0.0		8.80		0.0		6.60
DISPLACEM	0.0		42.00		0.0		44.00
COEF REL	0.0000		4.7727		0.0000		6.6667

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
9.3	100.00	2.2	100.00
		9.6	96.00
		10.4	92.00
		12.0	88.00
		12.0	84.00
		12.4	80.00
		12.4	76.00
		12.6	72.00
		13.0	68.00
		13.0	64.00
		13.2	60.00
		13.2	56.00
		13.8	52.00
		14.8	48.00
		15.2	44.00
		15.6	40.00
		15.6	36.00
		16.0	32.00
		16.4	28.00
		17.6	24.00
		18.0	20.00
		22.0	16.00
		22.0	12.00
		22.8	8.00
		26.0	4.00
STANDARD	60.0		60.0
NUMBER	1		25
RANGE	0.00		11.20
DISPLACEM	0.00		37.60
COEF REL	0.0000		3.3571

FLOATABLES MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	100.00	0.01	100.00	1.2	100.00	0.01	100.00
0.7	96.00	0.01	96.00	1.4	96.00	0.10	96.00
0.7	92.00	0.10	92.00	1.5	92.00	0.10	92.00
1.4	88.00	0.17	88.00	1.7	88.00	0.10	88.00
1.6	84.00	0.20	84.00	1.8	84.00	0.13	84.00
1.6	80.00	0.20	80.00	1.9	80.00	0.14	80.00
1.7	76.00	0.20	76.00	1.9	76.00	0.15	76.00
2.0	72.00	0.20	72.00	2.0	72.00	0.20	72.00
2.0	68.00	0.20	68.00	2.1	68.00	0.20	68.00
2.1	64.00	0.22	64.00	2.1	64.00	0.20	64.00
2.5	60.00	0.26	60.00	2.2	60.00	0.30	60.00
2.6	56.00	0.30	56.00	2.6	56.00	0.30	56.00
2.7	52.00	0.30	52.00	2.7	52.00	0.30	52.00
3.4	48.00	0.30	48.00	2.8	48.00	0.40	48.00
3.9	44.00	0.30	44.00	2.9	44.00	0.40	44.00
3.9	40.00	0.30	40.00	3.0	40.00	0.50	40.00
3.9	36.00	0.30	36.00	3.0	36.00	0.50	36.00
4.1	32.00	0.34	32.00	3.0	32.00	0.50	32.00
5.0	28.00	0.40	28.00	3.6	28.00	0.50	28.00
5.5	24.00	0.59	24.00	3.6	24.00	0.60	24.00
6.2	20.00	0.70	20.00	4.9	20.00	0.60	20.00
6.5	16.00	0.80	16.00	5.5	16.00	0.70	16.00
7.6	12.00	0.90	12.00	7.0	12.00	0.81	12.00
9.0	8.00	5.25	8.00	8.0	8.00	0.90	8.00
10.2	4.00	5.90	4.00	8.4	4.00	1.24	4.00
STANDARD	2.0		2.00		2.0		2.00
NUMBER	25		25		25		25
RANGE	7.20		2.940		5.90		0.755
DISPLACEMENT	-6.30		-1.075		-5.50		1.145
COEF REL	-0.8744		-0.3656		-0.9322		1.5166

FLOATABLES MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECCND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.01	100.00	0.01	100.00	0.01	100.00
0.2	96.00	0.01	96.00	0.10	96.00	0.07	96.00
0.3	92.00	0.10	92.00	0.30	92.00	0.10	92.00
0.3	88.00	0.10	88.00	0.35	88.00	0.10	88.00
0.3	84.00	0.10	84.00	0.60	84.00	0.10	84.00
0.4	80.00	0.16	80.00	0.70	80.00	0.17	80.00
0.8	76.00	0.20	76.00	0.71	76.00	0.24	76.00
1.0	72.00	0.26	72.00	0.77	72.00	0.24	72.00
1.1	68.00	0.29	68.00	0.84	68.00	0.26	68.00
1.1	64.00	0.30	64.00	0.90	64.00	0.30	64.00
1.1	60.00	0.30	60.00	1.50	60.00	0.30	60.00
1.2	56.00	0.30	56.00	1.50	56.00	0.30	56.00
1.3	52.00	0.30	52.00	1.90	52.00	0.30	52.00
1.3	48.00	0.30	48.00	2.00	48.00	0.60	48.00
1.9	44.00	0.31	44.00	2.20	44.00	0.60	44.00
1.9	40.00	0.34	40.00	2.50	40.00	0.60	40.00

FLOATABLES MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
2.0	36.00	0.37	36.00	2.70	36.00	0.63	36.00
2.5	32.00	0.40	32.00	2.70	32.00	0.70	32.00
2.9	28.00	0.50	28.00	4.40	28.00	0.90	28.00
3.0	24.00	0.50	24.00	4.60	24.00	1.10	24.00
3.7	20.00	0.60	20.00	4.90	20.00	1.10	20.00
3.8	16.00	0.60	16.00	8.50	16.00	1.20	16.00
5.6	12.00	1.14	12.00	17.10	12.00	1.30	12.00
6.3	8.00	1.50	8.00	21.10	8.00	1.50	8.00
7.6	4.00	3.50	4.00	25.28	4.00	1.71	4.00
STANDARD	2.0		2.00		2.00		2.00
NUMBER	25		25		25		25
RANGE	5.64		1.220		18.775		1.300
DISPLACEM	-3.94		0.680		-17.100		0.600
COEF REL	-0.6988		0.5574		-0.9108		0.4615

FLOATABLES MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.3	100.00	0.03	100.00
0.3	96.00	0.07	96.00
0.4	92.00	0.08	92.00
0.5	88.00	0.10	88.00
0.5	84.00	0.15	84.00
0.6	80.00	0.20	80.00
0.8	76.00	0.20	76.00
1.0	72.00	0.20	72.00
1.0	68.00	0.20	68.00
1.1	64.00	0.37	64.00
1.2	60.00	0.40	60.00
1.5	56.00	0.50	56.00
1.7	52.00	0.50	52.00
1.9	48.00	0.57	48.00
2.0	44.00	0.60	44.00
2.0	40.00	0.60	40.00
2.0	36.00	0.60	36.00
2.2	32.00	0.70	32.00
2.3	28.00	0.70	28.00
2.6	24.00	0.80	24.00
3.7	20.00	1.00	20.00
4.3	16.00	1.30	16.00
5.8	12.00	1.84	12.00
6.5	8.00	3.99	8.00
6.5	4.00	5.50	4.00
STANDARD	2.0		2.00
NUMBER	25		25
RANGE	5.72		2.825
DISPLACEM	-4.17		-0.915
COEF REL	-0.7290		-0.3239

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00	0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00	0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00	0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00	0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00	0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00	0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00	0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00	0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00	0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00	0.1	44.00	0.1	44.00
0.1	40.00	0.1	40.00	0.1	40.00	0.1	40.00
0.1	36.00	0.1	36.00	0.1	36.00	0.1	36.00
0.1	32.00	0.1	32.00	0.1	32.00	0.1	32.00
0.1	28.00	0.1	28.00	0.1	28.00	0.1	28.00
0.1	24.00	0.1	24.00	0.1	24.00	0.1	24.00
0.1	20.00	0.1	20.00	0.1	20.00	0.1	20.00
0.1	16.00	0.1	16.00	0.1	16.00	0.1	16.00
0.1	12.00	0.1	12.00	0.1	12.00	0.1	12.00
0.1	8.00	0.1	8.00	0.1	8.00	0.1	8.00
0.1	4.00	0.1	4.00	0.1	4.00	0.1	4.00
STANDARD	0.2		0.2		0.2		0.2
NUMBER	25		25		25		25
RANGE	0.00		0.00		0.00		0.00
DISPLACEMENT	0.10		0.10		0.10		0.10
COEF REL	9999.9968		9999.9968		9999.9968		9999.9968

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00	0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00	0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00	0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00	0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00	0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00	0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00	0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00	0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00	0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00	0.1	44.00	0.1	44.00
0.1	40.00	0.1	40.00	0.1	40.00	0.1	40.00

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PRCCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	36.00	0.1	36.00	0.1	36.00	0.1	36.00
0.1	32.00	0.1	32.00	0.1	32.00	0.1	32.00
0.1	28.00	0.1	28.00	0.1	28.00	0.1	28.00
0.1	24.00	0.1	24.00	0.1	24.00	0.1	24.00
0.1	20.00	0.1	20.00	0.1	20.00	0.1	20.00
0.1	16.00	0.1	16.00	0.1	16.00	0.1	16.00
0.1	12.00	0.1	12.00	0.1	12.00	0.1	12.00
0.1	8.00	0.1	8.00	0.1	8.00	0.1	8.00
0.3	4.00	0.1	4.00	0.1	4.00	0.1	4.00
STANDARD	0.2		0.2		0.2		0.2
NUMBER	25		25		25		25
RANGE	0.00		0.00		0.00		0.00
DISPLACEM	0.10		0.10		0.10		0.10
COEF REL	9999.9968		9999.9968		9999.9968		9999.9968

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00
0.1	40.00	0.1	40.00
0.1	36.00	0.1	36.00
0.1	32.00	0.1	32.00
0.1	28.00	0.1	28.00
0.1	24.00	0.1	24.00
0.1	20.00	0.1	20.00
0.1	16.00	0.1	16.00
0.1	12.00	0.1	12.00
0.1	8.00	0.1	8.00
1.5	4.00	0.1	4.00
STANDARD	0.2		0.2
NUMBER	25		25
RANGE	0.00		0.00
DISPLACEM	0.10		0.10
COEF REL	9999.9968		9999.9968

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
4.0	100.00	0.1	100.00	16	100.00	0.4	100.00
5.5	96.00	0.2	95.83	18	96.00	1.2	96.00
8.4	92.00	0.8	91.67	19	92.00	1.5	92.00
14.0	88.00	0.8	87.50	22	88.00	1.6	88.00
15.5	84.00	1.1	83.33	22	84.00	2.9	84.00
16.4	80.00	1.2	79.17	23	80.00	3.5	80.00
17.0	76.00	1.3	75.00	23	76.00	3.6	76.00
20.0	72.00	1.4	70.83	24	72.00	3.7	72.00
21.5	68.00	1.4	66.67	27	68.00	4.4	68.00
24.0	64.00	2.0	62.50	27	64.00	4.4	64.00
24.0	60.00	2.0	58.33	29	60.00	4.8	60.00
26.0	56.00	2.3	54.17	29	56.00	5.2	56.00
26.0	52.00	2.6	50.00	32	52.00	5.3	52.00
28.0	48.00	3.1	45.83	32	48.00	5.7	48.00
29.0	44.00	3.3	41.67	33	44.00	6.0	44.00
29.5	40.00	3.8	37.50	35	40.00	6.0	40.00
32.0	36.00	4.2	33.33	35	36.00	6.3	36.00
33.0	32.00	4.9	29.17	36	32.00	6.4	32.00
34.0	28.00	6.2	25.00	44	28.00	6.9	28.00
35.0	24.00	6.6	20.83	45	24.00	7.0	24.00
37.0	20.00	9.0	16.67	46	20.00	7.4	20.00
40.0	16.00	11.8	12.50	47	16.00	8.0	16.00
41.0	12.00	20.0	8.33	49	12.00	9.6	12.00
44.0	8.00	48.0	4.17	57	8.00	12.0	8.00
56.0	4.00			61	4.00	14.8	4.00
STANDARD	75.0		75.0		75		75.0
NUMBER	25		24		25		25
RANGE	31.30		15.92		32.5		9.25
DISPLACEMENT	32.50		58.28		22.0		64.20
COEF REL	1.0383		3.6608		0.6769		6.9405

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.5	100.00	1.2	100.00	2.0	100.00	0.1	100.00
7.0	96.00	2.8	96.00	3.6	96.00	0.4	96.00
13.0	92.00	2.9	92.00	3.8	92.00	1.3	92.00
13.0	88.00	3.0	88.00	3.8	88.00	2.2	88.00
16.0	84.00	4.3	84.00	4.2	84.00	2.2	84.00
17.7	80.00	4.4	80.00	4.6	80.00	2.8	80.00
20.0	76.00	5.4	76.00	5.6	76.00	2.9	76.00
24.8	72.00	5.6	72.00	5.6	72.00	2.9	72.00
25.0	68.00	5.8	68.00	6.0	68.00	3.6	68.00
25.0	64.00	5.9	64.00	7.2	64.00	3.8	64.00
26.6	60.00	6.0	60.00	8.3	60.00	3.8	60.00
27.4	56.00	6.0	56.00	8.4	56.00	4.0	56.00
30.0	52.00	6.3	52.00	9.0	52.00	4.3	52.00
30.8	48.00	7.0	48.00	9.5	48.00	5.4	48.00
31.0	44.00	8.8	44.00	9.6	44.00	5.7	44.00
31.3	40.00	10.8	40.00	9.6	40.00	5.8	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
33.5	36.00	10.9	36.00	10.0	36.00	5.9	36.00
35.0	32.00	11.2	32.00	11.2	32.00	6.2	32.00
35.7	28.00	11.4	28.00	11.2	28.00	6.6	28.00
39.0	24.00	12.0	24.00	11.4	24.00	7.0	24.00
40.5	20.00	12.0	20.00	13.0	20.00	7.4	20.00
43.0	16.00	14.4	16.00	13.2	16.00	8.0	16.00
58.0	12.00	15.0	12.00	13.5	12.00	10.2	12.00
66.0	8.00	18.5	8.00	14.4	8.00	11.6	8.00
72.0	4.00	49.5	4.00	25.2	4.00	12.6	4.00
STANDARD	75.0		75.0		75.0		75.0
NUMBER	25		25		25		25
RANGE	49.00		13.80		10.15		9.15
DISPLACEM	13.00		58.25		61.05		64.10
COEF REL	0.2653		4.2210		6.0148		7.0055

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
3.2	100.00	4.1	100.00
6.0	96.00	4.4	96.00
11.2	92.00	4.9	92.00
12.0	88.00	5.8	88.00
13.6	84.00	5.9	84.00
16.0	80.00	6.0	80.00
26.8	76.00	7.0	76.00
27.6	72.00	7.8	72.00
30.8	68.00	7.8	68.00
31.0	64.00	8.4	64.00
32.8	60.00	8.4	60.00
33.8	56.00	8.4	56.00
36.8	52.00	8.6	52.00
38.5	48.00	9.6	48.00
40.0	44.00	10.0	44.00
40.3	40.00	10.2	40.00
42.0	36.00	10.6	36.00
45.0	32.00	11.0	32.00
46.0	28.00	12.2	28.00
46.0	24.00	13.4	24.00
48.5	20.00	14.0	20.00
54.8	16.00	14.8	16.00
61.0	12.00	16.8	12.00
68.0	8.00	24.0	8.00
68.0	4.00	45.0	4.00
STANDARD	75.0		75.0
NUMBER	25		25
RANGE	52.90		15.05
DISPLACEM	10.50		54.60
COEF REL	0.1985		3.6279

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
4.0	100.00	0.1	100.00	16	100.00	0.4	100.00
5.5	96.00	0.2	95.83	18	96.00	1.2	96.00
8.4	92.00	0.8	91.67	19	92.00	1.5	92.00
14.0	88.00	0.8	87.50	22	88.00	1.6	88.00
15.5	84.00	1.1	83.33	22	84.00	2.9	84.00
16.4	80.00	1.2	79.17	23	80.00	3.5	80.00
17.0	76.00	1.3	75.00	23	76.00	3.6	76.00
20.0	72.00	1.4	70.83	24	72.00	3.7	72.00
21.5	68.00	1.4	66.67	27	68.00	4.4	68.00
24.0	64.00	2.0	62.50	27	64.00	4.4	64.00
24.0	60.00	2.0	58.33	29	60.00	4.8	60.00
26.0	56.00	2.3	54.17	29	56.00	5.2	56.00
26.0	52.00	2.6	50.00	32	52.00	5.3	52.00
28.0	48.00	3.1	45.83	32	48.00	5.7	48.00
29.0	44.00	3.3	41.67	33	44.00	6.0	44.00
29.5	40.00	3.8	37.50	35	40.00	6.0	40.00
32.0	36.00	4.2	33.33	35	36.00	6.3	36.00
33.0	32.00	4.9	29.17	36	32.00	6.4	32.00
34.0	28.00	6.2	25.00	44	28.00	6.9	28.00
35.0	24.00	6.6	20.83	45	24.00	7.0	24.00
37.0	20.00	9.0	16.67	46	20.00	7.4	20.00
40.0	16.00	11.8	12.50	47	16.00	8.0	16.00
41.0	12.00	20.0	8.33	49	12.00	9.6	12.00
44.0	8.00	48.0	4.17	57	8.00	12.0	8.00
56.0	4.00			61	4.00	14.8	4.00
STANDARD	45.0		45.0		45		45.0
NUMBER	25		24		25		25
RANGE	31.30		15.92		32.5		9.25
DISPLACEMENT	2.50		28.28		-8.0		34.20
COEF REL	0.0799		1.7764		-0.2462		3.6973

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.5	100.00	1.2	100.00	2.0	100.00	0.1	100.00
7.0	96.00	2.8	96.00	3.6	96.00	0.4	96.00
13.0	92.00	2.9	92.00	3.8	92.00	1.3	92.00
13.0	88.00	3.0	88.00	3.8	88.00	2.2	88.00
16.0	84.00	4.3	84.00	4.2	84.00	2.2	84.00
17.7	80.00	4.4	80.00	4.6	80.00	2.8	80.00
20.0	76.00	5.4	76.00	5.6	76.00	2.9	76.00
24.8	72.00	5.6	72.00	5.6	72.00	2.9	72.00
25.0	68.00	5.8	68.00	6.0	68.00	3.6	68.00
25.0	64.00	5.9	64.00	7.2	64.00	3.8	64.00
26.6	60.00	6.0	60.00	8.3	60.00	3.8	60.00
27.4	56.00	6.0	56.00	8.4	56.00	4.0	56.00
30.0	52.00	6.3	52.00	9.0	52.00	4.3	52.00
30.8	48.00	7.0	48.00	9.5	48.00	5.4	48.00
31.0	44.00	8.8	44.00	9.6	44.00	5.7	44.00
31.3	40.00	10.8	40.00	9.6	40.00	5.8	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
33.5	36.00	10.9	36.00	10.0	36.00	5.9	36.00
35.0	32.00	11.2	32.00	11.2	32.00	6.2	32.00
35.7	28.00	11.4	28.00	11.2	28.00	6.6	28.00
39.0	24.00	12.0	24.00	11.4	24.00	7.0	24.00
40.5	20.00	12.0	20.00	13.0	20.00	7.4	20.00
43.0	16.00	14.4	16.00	13.2	16.00	8.0	16.00
58.0	12.00	15.0	12.00	13.5	12.00	10.2	12.00
66.0	8.00	18.5	8.00	14.4	8.00	11.6	8.00
72.0	4.00	49.5	4.00	25.2	4.00	12.6	4.00
STANDARD	45.0		45.0		45.0		45.0
NUMBER	25		25		25		25
RANGE	49.00		13.80		10.15		9.15
DISPLACEM	-17.00		28.25		31.05		34.10
COEF REL	-0.3469		2.0471		3.0591		3.7268

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
3.2	100.00	4.1	100.00
6.0	96.00	4.4	96.00
11.2	92.00	4.9	92.00
12.0	88.00	5.8	88.00
13.6	84.00	5.9	84.00
16.0	80.00	6.0	80.00
26.8	76.00	7.0	76.00
27.6	72.00	7.8	72.00
30.8	68.00	7.8	68.00
31.0	64.00	8.4	64.00
32.8	60.00	8.4	60.00
33.8	56.00	8.4	56.00
36.8	52.00	8.6	52.00
38.5	48.00	9.6	48.00
40.0	44.00	10.0	44.00
40.3	40.00	10.2	40.00
42.0	36.00	10.6	36.00
45.0	32.00	11.0	32.00
46.0	28.00	12.2	28.00
46.0	24.00	13.4	24.00
48.5	20.00	14.0	20.00
54.8	16.00	14.8	16.00
61.0	12.00	16.8	12.00
68.0	8.00	24.0	8.00
68.0	4.00	45.0	4.00
STANDARD	45.0		45.0
NUMBER	25		25
RANGE	52.90		15.05
DISPLACEM	-19.50		24.60
COEF REL	-0.3686		1.6346

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
5.5	100.00	0.6	100.00	11	100.00	1.4	100.00
6.6	96.00	0.6	96.00	11	96.00	1.6	96.00
7.0	92.00	0.6	92.00	12	92.00	1.7	92.00
7.4	88.00	0.6	88.00	13	88.00	1.8	88.00
7.5	84.00	0.7	84.00	15	84.00	1.8	84.00
7.7	80.00	0.8	80.00	16	80.00	1.8	80.00
7.8	76.00	1.0	76.00	16	76.00	1.8	76.00
8.1	72.00	1.0	72.00	17	72.00	1.9	72.00
9.1	68.00	1.1	68.00	18	68.00	2.1	68.00
9.4	64.00	1.1	64.00	18	64.00	2.6	64.00
9.4	60.00	1.2	60.00	18	60.00	3.7	60.00
9.8	56.00	1.2	56.00	19	56.00	3.9	56.00
10.0	52.00	1.2	52.00	20	52.00	4.0	52.00
11.5	48.00	1.3	48.00	21	48.00	4.0	48.00
12.0	44.00	1.4	44.00	22	44.00	5.1	44.00
12.0	40.00	1.5	40.00	22	40.00	5.3	40.00
14.0	36.00	1.6	36.00	23	36.00	5.4	36.00
14.6	32.00	2.0	32.00	23	32.00	5.5	32.00
15.0	28.00	2.1	28.00	24	28.00	5.7	28.00
15.0	24.00	2.7	24.00	25	24.00	5.9	24.00
15.0	20.00	3.0	20.00	26	20.00	6.0	20.00
16.0	16.00	3.5	16.00	27	16.00	6.2	16.00
17.0	12.00	4.0	12.00	29	12.00	6.4	12.00
18.0	8.00	18.0	8.00	34	8.00	7.5	8.00
20.0	4.00	51.0	4.00	37	4.00	7.8	4.00
STANDARD	75.0		75.0		75		75.0
NUMBER	25		25		25		25
RANGE	10.30		10.36		18.8		5.20
DISPLACEMENT	57.50		64.00		43.7		68.05
COEF REL	5.5825		6.1776		2.3245		13.0865

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
6.3	100.00	0.7	100.00	1.4	100.00	0.8	100.00
17.0	96.00	1.2	96.00	3.9	96.00	1.2	96.00
17.0	92.00	1.5	92.00	4.9	92.00	1.2	92.00
18.0	88.00	1.7	88.00	5.4	88.00	1.2	88.00
18.0	84.00	1.7	84.00	5.4	84.00	1.5	84.00
18.0	80.00	1.8	80.00	5.5	80.00	1.5	80.00
18.2	76.00	2.0	76.00	6.0	76.00	1.5	76.00
18.9	72.00	2.1	72.00	6.6	72.00	1.5	72.00
19.0	68.00	2.3	68.00	6.8	68.00	1.5	68.00
19.0	64.00	2.3	64.00	7.9	64.00	1.7	64.00
19.1	60.00	2.5	60.00	8.7	60.00	1.8	60.00
19.4	56.00	2.6	56.00	9.2	56.00	1.8	56.00
20.0	52.00	2.7	52.00	9.8	52.00	2.0	52.00
20.4	48.00	2.8	48.00	10.0	48.00	2.0	48.00
21.2	44.00	3.1	44.00	10.3	44.00	2.2	44.00
22.0	40.00	3.1	40.00	10.6	40.00	2.3	40.00

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
23.2	36.00	3.3	36.00	11.1	36.00	2.3	36.00
24.2	32.00	3.4	32.00	12.9	32.00	2.4	32.00
25.0	28.00	3.4	28.00	13.0	28.00	2.4	28.00
25.8	24.00	3.6	24.00	13.1	24.00	2.8	24.00
27.0	20.00	4.3	20.00	14.1	20.00	3.2	20.00
28.0	16.00	4.9	16.00	15.0	16.00	3.3	16.00
28.3	12.00	5.4	12.00	15.4	12.00	3.4	12.00
32.0	8.00	9.9	8.00	20.5	8.00	4.8	8.00
34.0	4.00	25.0	4.00	21.0	4.00	13.0	4.00
STANDARD	75.0		75.0		75.0		75.0
NUMBER	25		25		25		25
RANGE	12.65		6.05		12.80		2.90
DISPLACEM	44.85		67.35		57.05		70.90
COEF REL	3.5455		11.1322		4.4570		24.4483

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
8.8	100.00	3.4	100.00
11.8	96.00	3.8	96.00
13.0	92.00	4.1	92.00
13.4	88.00	4.4	88.00
14.0	84.00	4.7	84.00
14.0	80.00	5.0	80.00
16.0	76.00	5.1	76.00
17.5	72.00	6.0	72.00
18.0	68.00	6.0	68.00
18.6	64.00	6.3	64.00
20.3	60.00	7.0	60.00
21.8	56.00	8.3	56.00
22.0	52.00	9.4	52.00
23.0	48.00	9.8	48.00
24.3	44.00	13.0	44.00
24.7	40.00	16.0	40.00
25.0	36.00	16.9	36.00
26.4	32.00	18.0	32.00
26.8	28.00	18.0	28.00
28.0	24.00	20.6	24.00
28.9	20.00	21.3	20.00
30.0	16.00	25.1	16.00
31.8	12.00	31.0	12.00
37.0	8.00	31.0	8.00
60.0	4.00	42.0	4.00
STANDARD	75.0		75.0
NUMBER	25		25
RANGE	21.22		26.75
DISPLACEM	40.58		44.00
COEF REL	1.9117		1.6449

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.0	100.00	0	100.00	0.0	100.00	0.0	100.00
0.0	90.91	0	90.91	0.0	90.91	0.0	90.91
0.0	81.82	0	81.82	0.0	81.82	0.0	81.82
0.0	72.73	0	72.73	0.0	72.73	0.0	72.73
0.0	63.64	0	63.64	0.0	63.64	0.0	63.64
0.0	54.55	0	54.55	0.0	54.55	0.0	54.55
0.0	45.45	0	45.45	0.0	45.45	0.0	45.45
0.0	36.36	0	36.36	0.0	36.36	0.8	36.36
0.6	27.27	0	27.27	0.8	27.27	1.0	27.27
0.6	18.18	0	18.18	0.9	18.18	1.4	18.18
2.9	9.09	0	9.09	1.0	9.09	2.0	9.09
STANDARD	2.0		2		2.0		2.0
NUMBER	11		11		11		11
RANGE	2.67		0.0		1.04		1.94
DISPLACEMENT	-0.67		2.0		0.96		0.06
COEF REL	-0.2507		9999.9968		0.9249		0.0309

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.0	100.00	0	100.00	0	100.00	0.0	100.00
0.0	90.91	0	90.91	0	90.91	0.0	90.91
0.0	81.82	0	81.82	0	81.82	0.0	81.82
0.0	72.73	0	72.73	0	72.73	0.0	72.73
0.0	63.64	0	63.64	0	63.64	0.0	63.64
0.0	54.55	0	54.55	0	54.55	0.0	54.55
0.0	45.45	0	45.45	0	45.45	0.0	45.45
0.0	36.36	0	36.36	0	36.36	0.0	36.36
0.6	27.27	0	27.27	0	27.27	0.0	27.27
1.3	18.18	0	18.18	0	18.18	0.6	18.18
2.9	9.09	0	9.09	0	9.09	0.8	9.09
STANDARD	2.0		2		2		2.0
NUMBER	11		11		11		11
RANGE	2.74		0.0		0.0		0.74
DISPLACEM	-0.74		2.0		2.0		1.26
COEF REL	-0.2701		9999.9968		9999.9968		1.6918

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.0	100.00	0.0	100.00
0.0	90.91	0.0	90.00
0.0	81.82	0.6	80.00
0.0	72.73	0.6	70.00
0.0	63.64	0.8	60.00
0.0	54.55	0.8	50.00
0.0	45.45	0.8	40.00
0.0	36.36	1.4	30.00
1.2	27.27	2.0	20.00
2.0	18.18	2.2	10.00
43.0	9.09		
STANDARD	2.0		2.0
NUMBER	11		10
RANGE	128.90		2.20
DISPLACEM	-126.90		-0.20
COEF REL	-0.9845		-0.0909

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE H.P.O. - A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.06	100.00	0.01	100.00	0.04	100.00	0.009	100.00
0.09	96.00	0.01	96.00	0.05	96.00	0.017	96.00
0.15	92.00	0.02	92.00	0.06	92.00	0.023	92.00
0.17	88.00	0.02	88.00	0.09	88.00	0.026	88.00
0.19	84.00	0.02	84.00	0.15	84.00	0.028	84.00
0.21	80.00	0.02	80.00	0.15	80.00	0.030	80.00
0.21	76.00	0.03	76.00	0.18	76.00	0.039	76.00
0.21	72.00	0.03	72.00	0.19	72.00	0.059	72.00
0.22	68.00	0.04	68.00	0.28	68.00	0.063	68.00
0.24	64.00	0.05	64.00	0.33	64.00	0.066	64.00
0.25	60.00	0.06	60.00	0.37	60.00	0.067	60.00
0.26	56.00	0.06	56.00	0.39	56.00	0.071	56.00
0.30	52.00	0.08	52.00	0.47	52.00	0.072	52.00
0.31	48.00	0.09	48.00	0.48	48.00	0.082	48.00
0.32	44.00	0.10	44.00	0.52	44.00	0.117	44.00
0.36	40.00	0.10	40.00	0.60	40.00	0.125	40.00
0.36	36.00	0.12	36.00	0.62	36.00	0.133	36.00
0.37	32.00	0.13	32.00	0.65	32.00	0.153	32.00
0.37	28.00	0.13	28.00	0.67	28.00	0.164	28.00
0.39	24.00	0.14	24.00	0.73	24.00	0.169	24.00
0.41	20.00	0.19	20.00	0.75	20.00	0.198	20.00
0.43	16.00	0.20	16.00	0.83	16.00	0.202	16.00
0.51	12.00	0.21	12.00	0.86	12.00	0.265	12.00
0.54	8.00	0.24	8.00	0.90	8.00	0.277	8.00
1.86	4.00	0.49	4.00	0.95	4.00	0.404	4.00
STANDARD	4.00		4.00		4.00		4.000
NUMBER	25		25		25		25
RANGE	0.366		0.207		0.802		0.2465
DISPLACEMENT	3.477		3.773		3.122		3.7290
COEF REL	9.4870		18.1855		3.8897		15.1278

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.05	100.00	0.003	100.00	0.04	100.00	0.007	100.00
0.05	96.00	0.004	96.00	0.04	96.00	0.010	96.00
0.06	92.00	0.005	92.00	0.06	92.00	0.012	92.00
0.07	88.00	0.005	88.00	0.08	88.00	0.012	88.00
0.07	84.00	0.016	84.00	0.08	84.00	0.013	84.00
0.08	80.00	0.016	80.00	0.08	80.00	0.014	80.00
0.09	76.00	0.017	76.00	0.09	76.00	0.017	76.00
0.09	72.00	0.019	72.00	0.10	72.00	0.020	72.00
0.09	68.00	0.022	68.00	0.10	68.00	0.023	68.00
0.12	64.00	0.024	64.00	0.12	64.00	0.023	64.00
0.13	60.00	0.026	60.00	0.12	60.00	0.025	60.00
0.16	56.00	0.028	56.00	0.13	56.00	0.027	56.00
0.16	52.00	0.028	52.00	0.14	52.00	0.037	52.00
0.17	48.00	0.030	48.00	0.16	48.00	0.053	48.00
0.18	44.00	0.037	44.00	0.17	44.00	0.057	44.00
0.21	40.00	0.040	40.00	0.19	40.00	0.067	40.00

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

(CONTINUED)

SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.23	36.00	0.055	36.00	0.26	36.00	0.078	36.00
0.25	32.00	0.057	32.00	0.30	32.00	0.079	32.00
0.26	28.00	0.064	28.00	0.38	28.00	0.095	28.00
0.27	24.00	0.071	24.00	0.39	24.00	0.106	24.00
0.28	20.00	0.073	20.00	0.43	20.00	0.114	20.00
0.31	16.00	0.083	16.00	0.79	16.00	0.124	16.00
0.45	12.00	0.104	12.00	0.99	12.00	0.129	12.00
0.47	8.00	0.109	8.00	1.09	8.00	0.143	8.00
0.63	4.00	0.124	4.00	1.22	4.00	0.155	4.00
STANDARD	4.00		4.000		4.00		4.000
NUMBER	25		25		25		25
RANGE	0.395		0.1015		0.969		0.1240
DISPLACEM	3.543		3.8935		2.960		3.8640
COEF REL	8.9570		38.3596		3.0547		31.1613

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.02	100.00	0.005	100.00
0.02	96.00	0.006	96.00
0.04	92.00	0.006	92.00
0.04	88.00	0.007	88.00
0.05	84.00	0.013	84.00
0.11	80.00	0.013	80.00
0.11	76.00	0.013	76.00
0.11	72.00	0.013	72.00
0.11	68.00	0.014	68.00
0.14	64.00	0.016	64.00
0.14	60.00	0.017	60.00
0.14	56.00	0.017	56.00
0.15	52.00	0.019	52.00
0.17	48.00	0.019	48.00
0.18	44.00	0.019	44.00
0.18	40.00	0.025	40.00
0.18	36.00	0.026	36.00
0.22	32.00	0.033	32.00
0.24	28.00	0.037	28.00
0.33	24.00	0.041	24.00
0.35	20.00	0.092	20.00
0.37	16.00	0.107	16.00
0.39	12.00	0.126	12.00
0.50	8.00	0.134	8.00
0.79	4.00	0.140	4.00
STANDARD	4.00		4.000
NUMBER	25		25
RANGE	0.401		0.1235
DISPLACEM	3.554		3.8700
COEF REL	8.8531		31.3360

APPENDIX K

APPENDIX K

NORTH POINT-SOUTHEAST TEST DATA

SUBDIVISIONS

Liquid Phase Constituent Data

Sludge Data

Operational Data

Coefficient of Reliability, Low Level (50%) Requirements

Coefficient of Reliability, High Level (10%) Requirements

APPENDIX K

NORTH POINT-SOUTHEAST TEST DATA

LIQUID PHASE CONSTITUENT DATA

	Page
METAL	
Aluminum	1
Antimony	3
Arsenic	4
Barium	6
Beryllium	7
Boron	8
Cadmium	10
Calcium	12
Total Chromium	13
Cobalt	15
Copper	16
Cyanide	18
Total Iron	20
Lead	22
Magnesium	24
Manganese	26
Mercury	28
Molybdenum	30
Nickel	32
Selenium	34
Silver	36
Sodium	38
Strontium	39
Thallium	40
Tin	41
Titanium	42
Vanadium	43
Zinc	44
Lithium	46
Hexavalent Chromium	47
Ferrous Iron	49
CHEMICAL	
Alkalinity	51
5-Day BOD	53
Dissolved 5-Day BOD	54A
Bromide	55
Chloride	56
Chemical Oxygen Demand	57
Soluble Chemical Oxygen Demand	58A
Fluoride	59
Iodide	61
Oil and Grease	62
Phenol	64
Sulfate	66
Sulfide	68
Surfactants	70
Hardness	72
Total Organic Carbon	73
NUTRIENTS	
Ammonia Nitrogen	75
Nitrate Nitrogen	77
Nitrite Nitrogen	79
Organic Nitrogen	81
Total Nitrogen	83
Ortho Phosphate	85
Total Phosphate	87
RADIOACTIVE	
Gross Alpha	89
Gross Beta	91
PHYSICAL	
Floatables	92
Settleable Solids	94
Total Suspended Solids	96
Average Turbidity	99
Color	101
Conductivity	103
Total Dissolved Solids	105
Total Solids	107
Total Volatile Solids	109
Volatile Suspended Solids	111
BIOASSAYS	
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48-Hour - Median Tolerance Limit	116

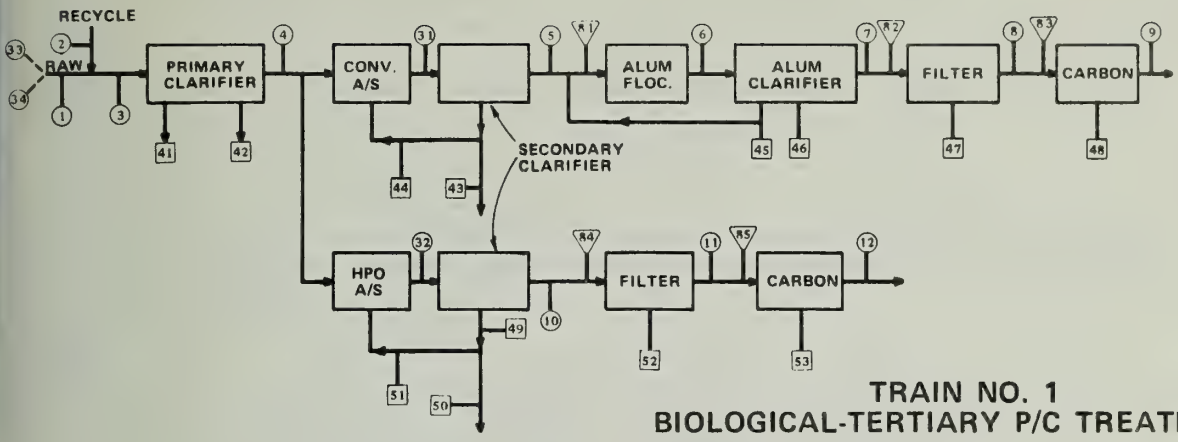
APPENDIX K

NORTH POINT-SOUTHEAST TEST DATA

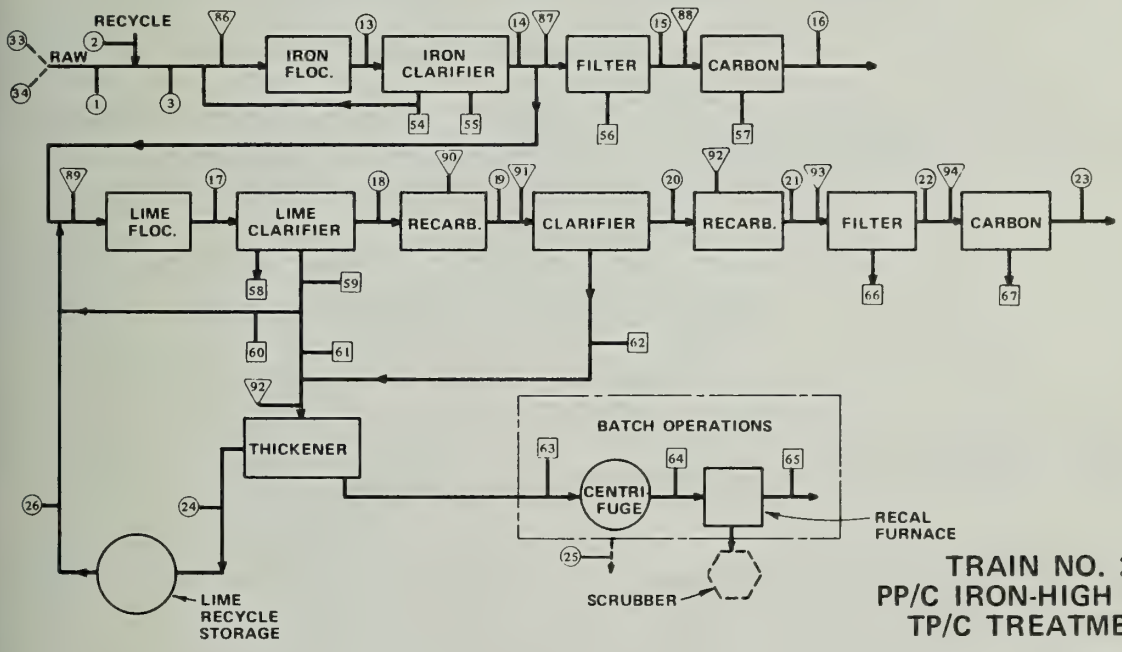
LIQUID PHASE CONSTITUENT DATA

(Continued)

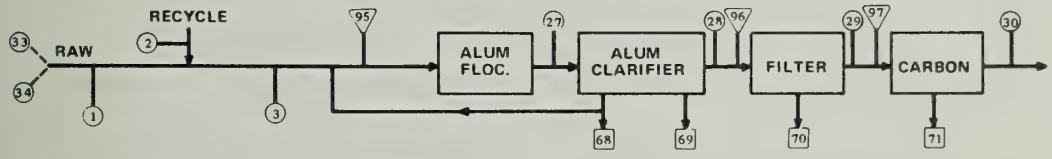
	Page
BIOASSAYS (Contined)	
96-Hour - Median Tolerance Limit	118
24-Hour - Percent Survival Undiluted Waste	120
48-Hour - Percent Survival Undiluted Waste	122
96-Hour - Percent Survival Undiluted Waste	124
96-Hour - Toxicity Units	126
CHLORINATED HYDROCARBONS	
Lindane	128
Heptachlor Epoxide	129
DDE	130
DDD	131
DDT	132
Dieldrin	133
Total Chlorinated Hydrocarbons	134
Aldrin	136
Chlordane	137
Heptachlor	138
Methoxychlor	139
Toxaphene	140
Phosphated Hydrocarbons	141
Carbamates	142
2-4-D	143
Polychlorinated Biphenyls	144



TRAIN NO. 1
BIOLOGICAL-TERTIARY P/C TREATMENT



TRAIN NO. 2
PP/C IRON-HIGH LIME
TP/C TREATMENT



TRAIN NO. 3
TERTIARY PHYSICAL/CHEMICAL TREATMENT

NOTES:

(1) TO (34)	LIQUID STREAM DATA POINTS
[41] TO [71]	SOLID OR WASTE DATA POINTS
▽81 TO ▽97	CHEMICAL ADDITION POINTS
– – – –	INDICATES NP + SE
(33)	SE RAW
(34)	NP RAW

SOUTHEAST PILOT PLANT
PROCESS TRAINS AND DATA COLLECTION POINTS

KEY

DATA REVIEW (RVEW) AND CORRELATION COEFFICIENT (CORL) OUTPUT

SE — Phase of Pilot Plant Study during which waste treatment alternatives were investigated for Southeast sewage.

NP+
SE — Phase of Pilot Plant during which waste treatment alternatives were investigated for North Point (75%) plus Southeast (25%) combined sewage.

Date — Date of Sample collection

Non-Specific Process - Sample stations not associated with a particular treatment process. Normally raw sewage or preliminary treated effluent.

A.S. — Activated Sludge Process

H.P.O. — High Purity Oxygen Process

50 Percent - Median value of data set

10 Percent - Value at which 10 percent of the ordered data values are larger and 90 percent of the data values are smaller.

Range (R) - Constituent range of middle 80% of data. Used in calculation of the coefficient of reliability.

Displacement (d) - Constituent displacement from 10 percentile number and given standard.

Standard(s) - Regulatory Standard to which data is compared.

Coefficient of Reliability (Cr) - Arbitrary index to measure efficiency of removal for given constituent and treatment process. Computed from $CR = \frac{1}{R} \times d$. Has range of $-\infty$ to $+\infty$. Negative values indicate noncompliance with standard.

ALUMINUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	810	360	570		480	230	250
100573	1,100	1,000	1,200	1,500	740	300	260
100773	530	430	610		490	300	100
100873			710				
101073	860	405	850	600	2,100	540	290
101173	1,980	1,960	1,100	1,700	690	220	190
101373	390	490	130		53	160	86
101573	800	680	450	650	700	250	180
101773	840	360	700	530	480	180	240
101973	2,500	920	1,120	270	980	530	460
102073	1,090	230	590	680	380	220	120
102273	5,400	400	1,000	1,200	550	230	160
102373	1,000	780	920	920	580	260	140
102573	1,100	880	1,100	2,000	640	360	210
50 PERCENT	1,000	490	780	800	580	250	190
10 PERCENT	4,240	1,576	1,160	1,970	1,652	536	392

ALUMINUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	580	230	190	170	130	170	120	230
100573	340	200	210	210	180	740	940	230
100773	280	170	290	170	170	180	1,900	240
100873								
101073	470	460	330	235	100	85	1,700	90
101173	245	165	160	150	140	110	1,500	315
101373	110	72	55	50	55	44	1,980	130
101573	25	160	160	160	23	70	1,600	100
101773	180	150	160	150	40	160	1,160	260
101973	400	260	425	270	330	240	130	500
102073	260	130	160	80	100	70	1,240	280
102273	280	160	150	220	160	260	1,300	420
102373	590	160	200	180	95	65	1,000	250
102573	230	220	160	180	180	180	1,380	180
50 PERCENT	280	165	160	170	130	160	1,300	240
10 PERCENT	586	380	387	256	270	548	1,948	468

ANTIMONY MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS
	1 COMBINED RAW SEWAGE
100873	160
101073	380
101173	280
101473	340
101973	288
50 PERCENT	288
10 PERCENT	0

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100473	2.0	2.0	1.0	6.0	4.0	3.0	1.0
100673	9.0	6.0	5.0	7.0	3.0	1.0	1.0
100873	2.0	4.0	6.0	10.0	6.0	3.0	1.0
100973	8.0	1.0	1.0	1.0	1.0	1.0	1.0
101073	1.0	1.0	1.4	1.0	1.0	1.0	1.3
101273	3.6	2.8	4.7	6.3	1.4	3.2	1.1
101373	3.6	3.0	6.4		5.4	1.0	1.0
101473	3.5	1.0	1.0	2.5	2.9	2.9	1.0
101673	1.0	4.0	2.0	2.0	4.0	2.0	2.0
102173	2.1	1.4	2.4	1.2	3.8	1.0	1.0
102273	3.0	11.0	6.0	4.0	2.0	1.0	1.0
102573	1.0	2.6	1.0	11.0	1.0	2.9	1.0
102673	4.0	4.4	2.5	4.4	5.1	4.0	1.0
50 PERCENT	3.0	2.8	2.4	4.2	3.0	2.0	1.0
10 PERCENT	8.6	9.0	6.2	10.7	5.8	3.7	1.7

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100473	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100673	4.0	1.0	2.0	2.0	1.0	1.0	1.0	5.0
100873	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
100973	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
101073	1.0	1.0	1.0	1.0	1.0	1.1	1.0	6.3
101273	1.6	2.3	1.0	1.0	2.3	1.0	2.3	21.0
101373	1.0	3.0	1.7	1.0	1.0	1.0	1.0	4.0
101473	3.7	2.5	1.0	1.0	1.0	1.0	1.0	1.5
101673	1.0	4.0	1.0	3.0	3.0	2.0	2.0	1.0
102173	2.0	1.0	1.0	1.0	1.0	1.0	2.3	1.0
102273	2.0	2.0	2.0	2.0	1.0	1.0	2.0	1.0
102573	1.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0
102673	3.0	2.5	4.6	2.5	1.0	1.0	1.3	1.8
50 PERCENT	1.6	2.0	1.0	1.0	1.0	1.0	1.0	1.0
10 PERCENT	3.9	3.6	3.6	2.8	2.7	1.6	2.3	15.1

BARIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS
	1 COMBINED RAW SEWAGE
100873	140
101073	140
101173	220
101473	110
101973	69
50 PERCENT	140
10 PERCENT	0

BERYLLIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	1.0
101073	1.0
101173	1.0
101473	1.0
101973	1.0
50 PERCENT	1.0
10 PERCENT	0.0

BORON MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT
100473	370	770	50	600	650	50	300
100573	730	420	650	880	770	500	650
100973	650	600	710	780	780	600	450
101373	1,070	650	1,210		910	790	360
101573	620	1,070	970	1,140	860	950	690
101773	790	670	1,030	730	870	580	460
102173	760	770	850	600	790	400	400
102473	710	580	910	640	940	810	580
50 PERCENT	720	660	880	730	825	590	455
10 PERCENT	0	0	0	0	0	0	0

BORON MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100473	480	420	500	570	50	100	280	770
100573	570	550	550	720	520	380	600	800
100973	600	560	650	530	520	380	850	520
101373	1,340	610	1,530	1,240	740	260	1,570	1,260
101573	1,200	1,130	790	1,560	680	460	920	780
101773	510	320	620	400	620	520	490	400
102173	660	490	460	400	360	330	540	560
102473	580	840	760	400	360	490	840	580
50 PERCENT	590	555	635	550	520	380	720	675
10 PERCENT	0	0	0	0	0	0	0	0

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	5.4	2.4	3.1		4.3	1.0	1.0
100573	41.0	8.8	4.7	7.8	6.4	1.0	1.0
100773	1.0	3.7	2.6		2.7	1.0	1.0
101073	3.6	3.3	7.5	7.5	14.0	1.9	1.0
101173	11.0	3.9	5.2	8.7	3.9	1.2	1.0
101373	16.0	20.0	1.0		1.0	17.0	1.0
101573	4.8	2.3	2.0	5.0	2.0	1.0	1.0
101773	3.3	2.3	2.7	2.5	2.5	1.0	1.0
101973	9.8	3.2	5.9	24.0	2.3	1.7	1.0
102073	3.7	2.4	2.0	3.1	1.4	0.8	1.0
102273	2.7	2.9	2.7	3.1	1.6	2.2	1.0
102373	1.8	4.2	5.9	4.7	2.7	1.6	1.0
102573	3.6	6.0	5.7	9.8	3.0	2.5	1.0
50 PERCENT	3.8	3.3	3.1	6.2	2.7	1.2	1.0
10 PERCENT	31.0	15.5	6.9	22.6	11.0	11.2	1.0

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	1.6	1.0	1.0	1.0	1.0	1.0	1.1	1.0
100573	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100773	1.5	1.0	2.5	1.0	1.0	1.0	1.0	1.0
101073	1.3	1.3	1.0	1.0	1.0	1.0	1.0	1.0
101173	1.0	1.3	1.0	1.5	1.0	1.0	1.0	1.0
101373	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
101573	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
101773	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0
101973	1.1	1.0	1.5	1.7	1.0	1.0	1.4	1.0
102073	1.5	1.0	0.7	0.4	0.1	0.5	0.2	0.6
102273	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.4
102373	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
102573	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0
50 PERCENT	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10 PERCENT	1.6	1.3	2.1	1.6	1.0	1.0	1.3	1.2

CALCIUM MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS
	1 COMBINED RAW SEWAGE
100873	0.1
101073	57.0
101173	39.0
101473	0.1
101973	600.0
50 PERCENT	39.0
10 PERCENT	0.0

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	1,600	70.0	430.0		560	85	30.0
100573	2,620	640.0	540.0	1,500	870	94	61.0
100773	700	150.0	130.0		240	60	31.0
101073	40	90.0	1300.0	500	2,400	110	40.0
101173	1,625	102.0	600.0	1,580	675	64	22.5
101373	1,300	53.0	65.0		18	170	25.0
101573	1,600	85.0	260.0	1,200	190	85	50.0
101773	78	47.0	4.0	32	17	70	7.0
101973	2,750	125.0	1300.0	1,900	500	280	41.0
102073	2,800	100.0	1450.0	1,150	1,300	1,300	100.0
102273	580	60.0	200.0	140	200	80	80.0
102373	750	10.0		440	140	100	33.0
102573	2,700	160.0	440.0	500	3,300	220	30.0
50 PERCENT	1,600	90.0	435.0	825	500	94	33.0
10 PERCENT	2,780	456.0	1405.0	1,868	2,940	892	92.0

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	210	39	54	25.0	30.0	36.0	65	38.0
100573	250	52	48	40.0	53.0	53.0	47	33.0
100773	230	25	43	49.0	32.0	26.0	71	50.0
101073	240	43	75	30.0	53.0	28.0	85	60.0
101173	109	30	96	23.0	35.0	43.0	88	97.5
101373	120	26	44	18.0	25.0	20.0	88	25.0
101573	105	55	60	55.0	50.0	50.0	70	45.0
101773	98	12	22	7.0	5.0	8.0	17	7.0
101973	250	55	125	44.0	51.0	32.0	95	37.0
102073	220	60	130	100.0	80.0	130.0	140	130.0
102273	120	90	40	40.0	40.0	30.0	60	180.0
102373	70	26	39	26.0	24.0	26.0	53	40.0
102573	140	40	59	45.0	40.0	32.0	85	38.0
50 PERCENT	140	40	54	40.0	40.0	32.0	71	40.0
10 PERCENT	250	78	128	82.0	82.0	99.2	122	160.0

COBALT MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	12.0
101073	20.0
101173	18.0
101473	5.0
101973	11.0
50 PERCENT	12.0
10 PERCENT	0.0

COPPER MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT
100273	210	56	111		110.0	8.0	5.0
100573	130	210	150	250	83.0	8.0	5.0
100773	59	270	270		150.0	12.0	5.0
101073	96	190	220	230	270.0	14.0	5.0
101173	160	150	260	290	75.0	12.0	340.0
101373	38	75	14		5.0	11.0	240.0
101573	140	90	63	123	68.0	8.0	263.0
101773	120	120	130	110	92.0	18.0	98.0
101973	150	120	120	660	62.0	28.0	95.0
102073	105	78	93	93	60.0	17.0	89.0
102273	260	100	160	90	70.0	20.0	50.0
102373	120	180	240	170	79.0	39.0	44.0
102573	160	270	200	460	100.0	56.0	110.0
50 PERCENT	130	120	150	200	79.0	14.0	89.0
10 PERCENT	240	270	266	640	222.0	49.2	309.2

COPPER MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	17.0	0.0	13.0	6.0	5.0	5.0	18.0	5.0
100573	20.0	4.0	10.0	7.0	5.0	11.0	11.0	5.0
100773	27.0	5.0	5.4	26.0	5.0	5.0	11.0	5.0
101073	30.0	5.0	7.0	10.0	5.0	6.0	21.0	6.0
101173	16.0	9.0	15.0	49.0	5.5	16.0	20.0	5.5
101373	8.0	5.0	5.0	40.0	5.0	13.0	12.0	57.0
101573	15.0	5.0	3.0	48.0	1.0	8.0	13.0	38.0
101773	22.0	5.0	8.0	120.0	5.0	13.0	10.0	56.0
101973	31.0	5.0	21.0	56.0	1.0	1.0	15.0	32.0
102073	27.0	5.0	8.0	56.0	5.0	8.0	180.0	10.0
102273	60.0	5.0	5.0	90.0	5.0	460.0	60.0	460.0
102373	18.0	6.0	8.0	35.0	4.0	12.0	15.0	12.0
102573	10.0	4.0	7.5	7.5	5.0	6.0	9.5	5.0
50 PERCENT	20.0	5.0	8.0	40.0	5.0	8.0	15.0	10.0
10 PERCENT	48.4	5.6	18.6	108.0	5.3	282.4	132.0	298.8

CYANIDE MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	0.13	0.02	0.03		0.04	0.01	0.01
100573	0.04	0.02	0.02	0.03	0.02	0.01	0.01
100773	0.03	0.03	0.01		0.01	0.01	0.01
101073	0.02	0.02	0.05	0.04	0.06	0.01	0.01
101173	0.04	0.03	0.02	0.03	0.04	0.01	0.01
101373	0.02	0.01	0.01		0.01	0.01	0.01
101573	0.05	0.05	0.03	0.03	0.03	0.01	0.01
101773	0.02	0.02	0.02	0.02	0.02	0.01	0.01
101973	0.08	0.06	0.03	0.06	0.04	0.01	0.01
102073	0.05	0.02	0.07	0.06	0.02	0.01	0.01
102273	0.15	0.04	0.03	0.02	0.02	0.01	0.01
102373	0.04	0.02	0.03	0.03	0.02	0.01	0.01
102573	0.03	0.03	0.04	0.03	0.03	0.01	0.01
50 PERCENT	0.04	0.02	0.03	0.03	0.02	0.01	0.01
10 PERCENT	0.14	0.06	0.06	0.06	0.05	0.01	0.01

CYANIDE MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	0.01	0.01	0.02	0.01	0.03	0.01	0.03	0.01
100573	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01
100773	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
101073	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01
101173	0.01	0.01	0.02	0.01	0.02	0.01	0.06	0.03
101373	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
101573	0.03	0.01	0.04	0.04	0.10	0.05	0.06	0.05
101773	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01
101973	0.01	0.01	0.05	0.01	0.01	0.01	0.01	0.01
102073	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
102273	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.01
102373	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01
102573	0.01	0.01	0.02	0.06	0.02	0.02	0.03	0.02
50 PERCENT	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.01
10 PERCENT	0.02	0.01	0.05	0.05	0.07	0.04	0.06	0.04

TOTAL IRON MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	2,700	1,700	1,500		2,900	324	50
100473							
100573	3,000	2,200	5,200	3,200	1,900	270	28
100773	2,100	2,400	2,300		2,900	63	74
101073	4,100	2,700	3,100	3,600	6,100	990	56
101173	4,100	4,100	12,000	7,600	2,600	500	57
101373	700	130	230		330	36	21
101573	2,200	2,500	1,900	2,500	1,700	630	76
101773	3,500	2,400	3,300	3,000	2,500	850	90
101973	9,200	2,660	1,790	27,800	2,140	930	94
102073	4,500	1,500	1,750	2,450	1,850	455	140
102273	6,800	2,400	4,400	4,000	2,200	670	130
102373	3,700	830	5,800	5,600	2,500	950	80
102573	3,200	3,700	2,800	17,000	2,400	1,100	58
50 PERCENT	3,500	2,400	2,800	3,800	2,400	630	74
10 PERCENT	8,240	3,940	9,520	26,720	4,820	1,056	136

TOTAL IRON MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	640	75	2,200	49	64	110	440	93
100473					20			
100573	800	130	1,800	130	36	120	230	220
100773	24,000	140	2,300	160	47	130	680	4,600
101073	1,400	110	3,100	470	100	410	560	120
101173	11,000	160	120	900	700	640	520	83
101373	290	53	1,100	84	29	90	410	93
101573	530	93	1,900	180	88	360	460	270
101773	950	100	1,900	190	90	470	340	110
101973	630	55	3,140	14	62	20	57	78
102073	730	250	2,800	3,450	270	425	510	115
102273	770	80	2,000	3,400	120	320	740	140
102373	3,100	110	500	70	75	280	480	420
102573	470	310	1,800	700	83	530	580	340
50 PERCENT	770	110	1,900	180	79	320	480	120
10 PERCENT	18,800	286	3,124	3,430	485	596	716	2,928

LEAD MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	140	87	97		120.0	20.0	6.5
100573	120	160	150	210	75.0	15.0	5.0
100773	12	220	320		190.0	18.0	5.0
101073	90	170	110	150	220.0	5.0	5.0
101173	86	126	170	193	44.0	15.0	9.4
101373	62	62	77		5.0	10.0	5.0
101573	85	140	60	120	51.0	22.0	5.0
101773	120	86	110	84	78.0	19.0	5.0
101973	180	160	75	510	70.0	15.0	5.0
102073	145	63	85	110	65.0	15.0	8.0
102273	310	240	340	300	100.0	20.0	40.0
102373	220	520	700	360	120.0	25.0	5.0
102573	120	640	380	670	90.0	50.0	5.0
50 PERCENT	120	160	110	201	78.0	18.0	5.0
10 PERCENT	274	592	572	654	208.0	40.0	27.8

LEAD MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	22.0	6.5	23.0	5.0	7.0	5.0	22.0	9.5
100573	20.0	5.0	11.0	5.0	17.0	5.0	10.0	6.0
100773	19.0	7.5	13.0	6.0	5.0	5.0	26.0	5.0
101073	27.0	5.0	5.0	5.0	5.0	5.0	10.0	5.0
101173	24.0	13.0	16.0	22.0	9.0	5.0	18.0	6.0
101373	11.0	5.0	5.0	5.0	5.0	5.0	6.5	5.0
101573	18.0	5.0	5.0	5.0	5.0	5.0	10.0	5.0
101773	18.0	5.0	7.0	8.0	5.0	5.0	8.0	5.0
101973	20.0	5.0	10.0	5.0	5.0	5.0	5.0	10.0
102073	8.6	5.0	5.0	5.0	5.0	5.0	40.0	5.0
102273	80.0	9.0	8.0	1.0	5.0	5.0	40.0	12.0
102373	35.0	5.0	5.0	5.0	5.0	5.0	8.0	5.0
102573	25.0	5.0	5.0	5.0	7.5	5.0	12.0	5.0
50 PERCENT	22.0	5.0	7.0	5.0	5.0	5.0	10.0	5.0
10 PERCENT	04.0	11.4	20.2	16.4	13.8	5.0	40.0	11.2

MAGNESIUM MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100473	73	86	61	71	66	62	63
100673	258	232	228	244	222	228	218
100873	100	130	150	100	120	120	120
100973	150	150	140	140	150	150	140
101073	120	110	120	130	130	110	120
101273	260	200	220	220	220	230	220
101373	260	220	240		220	220	220
101473	230	110	110	110	140	130	120
101673	280	220	250	230	230	240	230
102173	76	24	34	34	36	40	35
102273	46	16	33	26	26	42	26
102573	70	52	60	48	84	68	64
102673	180	150	140	160	190	190	140
50 PERCENT	150	130	140	120	140	130	120
10 PERCENT	272	227	246	240	227	236	226

MAGNESIUM MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100473	69	64	54	72	3.0	3.0	52	77
100673	226	262	212	220	128.0	122.0	210	236
100873	140	130	120	120	78.0	70.0	140	110
100973	140	140	150	150	66.0	62.0	150	120
101073	110	120	110	100	7.7	7.7	110	180
101273	220	230	220	230	160.0	160.0	220	230
101373	220	220	220	220	160.0	170.0	220	240
101473	140	130	130	120	72.0	74.0	130	140
101673	230	240	220	240	170.0	170.0	220	230
102173	48	30	34	32	70.0	54.0	30	26
102273	35	38	32	20	8.0	5.8	24	27
102573	70	68	50	40	6.0	4.0	60	60
102673	190	180	170	190	110.0	110.0	180	180
50 PERCENT	140	130	130	120	72.0	70.0	140	140
10 PERCENT	228	253	220	236	166.0	170.0	220	238

MANGANESE MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	150.0	86	99.0		100.0	89	50.0
100573	150.0	106	100.0	130	100.0	99	89.0
100773	130.0	93	110.0		95.0	88	36.0
101073	100.0	82	110.0	120	180.0	88	35.0
101174	260.0	107	106.0	118	89.0	80	58.0
101373	9.0	87	7.3		5.0	90	14.0
101573	261.0	101	120.0	132	131.0	85	15.0
101773	150.0	77	120.0	110	110.0	83	9.0
101973	83.0	90	130.0	300	97.0	96	90.0
102073	140.0	85	110.0	120	115.0	85	95.0
102273	250.0	100	140.0	120	90.0	110	40.0
102373	190.0	110	160.0	140	150.0	110	62.0
102573	170.0	140	130.0	250	120.0	120	120.0
50 PERCENT	160.0	93	110.0	125	100.0	89	50.0
10 PERCENT	257.2	126	152.0	295	168.0	116	110.0

MANGANESE MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	140	140	330	330	13.0	18.0	85	79
100573	79	95	17	220	7.0	38.0	45	55
100773	71	83	310	370	20.0	20.0	82	78
101073	96	120	250	340	9.5	9.1	80	31
101173	530	89	396	420	87.0	21.0	87	36
101373	100	90	330	310	6.2	9.0	110	95
101573	100	103	302	306	4.0	8.0	87	11
101773	99	95	280	300	4.0	13.0	57	79
101973	87	89	310	320	15.0	17.0	14	59
102073	90	100	400	700	10.0	10.0	75	60
102273	80	80	350	220	20.0	30.0	80	50
102373	140	100	260	320	18.0	220.0	108	130
102573	100	120	240	280	14.0	15.0	98	96
50 PERCENT	99	95	310	320	13.0	17.0	82	60
10 PERCENT	254	132	398	588	60.2	147.2	109	116

MERCURY MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100473	1.1	1.0	1.0	1.0	1.0	1.0	1.0
100673	1.0	1.0	1.0	1.5	1.0	1.0	1.0
100873	1.0	1.0	1.0	1.1	1.0	1.0	1.0
100973	1.0	1.0	1.0	1.1	1.0	1.0	1.0
101073	1.0	1.5	4.3	2.6	1.3	1.0	1.0
101273	1.0	1.2	1.5	10.0	19.0	1.0	1.0
101373	1.0	1.0	1.0		1.0	1.0	1.0
101473	1.0	1.0	7.3	2.4	1.4	1.0	1.0
101673	1.0	26.0	22.0	5.0	2.6	1.6	1.0
102173	1.0	1.0	1.2	1.0	2.4	1.7	1.0
102273	1.0	1.0	1.3	1.0	5.1	4.7	1.0
102573	1.0	1.7	1.0	7.6	1.0	1.0	1.0
102673	1.0	1.8	2.4	2.5	1.9	1.2	1.0
50 PERCENT	1.0	1.0	1.2	1.9	1.3	1.0	1.0
10 PERCENT	1.1	16.3	16.1	9.3	13.4	3.5	1.0

MERCURY MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE N.P.O. ACTIVATED SLUDGE PROCESS	NP + SE N.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SL FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 N.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100473	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100673	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100873	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100973	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
101073	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
101273	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
101373	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
101473	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
101673	2.0	1.0	1.4	2.0	5.1	1.0	4.8	2.6
102173	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
102273	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
102573	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
102673	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
50 PERCENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10 PERCENT	2.1	1.6	1.2	1.6	3.5	1.0	3.3	2.0

MOLYBDENUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100473	5.0	5.0	5.0	5.0	5.0	5.0	5.0
100573	5.0	5.0	7.0	9.0	5.0	5.0	5.0
100973	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101373	5.0	5.0	5.0		5.0	5.0	5.0
101573	5.0	5.0	5.0	5.0	9.0	110.0	5.0
101773	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102173	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102473	5.0	5.0	5.0	5.0	5.0	5.0	5.0
50 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0	5.0
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NICKEL MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	58	47	62	28	19.0	27	35	21.0
100573	54	33	66	39	21.0	26	27	15.0
100773	28	26	41	51	17.0	20	30	32.0
101073	45	25	46	47	27.0	15	27	10.0
101173	84	37	28	230	23.0	20	47	26.0
101373	30	33	23	34	11.0	12	17	54.0
101573	31	22	42	33	10.0	18	21	56.0
101773	32	21	33	16	13.0	16	21	15.0
101973	40	30	90	30	20.0	20	40	20.0
102073	13	28	37	18	14.0	11	17	29.0
102273	27	30	38	20	22.0	12	25	11.0
102373	41	24	41	20	14.0	11	32	20.0
102573	40	31	68	15	22.0	12	40	15.0
50 PERCENT	40	30	41	30	19.0	16	27	20.0
10 PERCENT	74	43	81	158	25.4	28	44	55.2

SELENIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100473	5.0	5.0	5.0	5.0	5.0	5.0	5.0
100573	5.0	5.0	5.0	5.0	5.0	5.0	5.0
100973	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101373	5.0	5.0	5.0		5.0	5.0	5.0
101573	2.0	1.0	2.0	1.0	1.0	1.0	3.0
101773	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102173	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102473	5.0	5.0	5.0	5.0	5.0	5.0	5.0
50 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0	5.0
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SELENIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SL FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100473	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
100573	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
100973	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101373	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101573	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
101773	5.0	5.0	5.0	5.0	5.0	5.0	8.3	5.0
102173	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102473	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
50 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SILVER MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	6.0	3.8	7.9		11.0	1.0	1.0
100573	46.0	80.0	67.0	99.0	53.0	2.0	2.0
100773	29.0	110.0	120.0		54.0	6.3	1.3
101073	27.0	51.0	56.0	72.0	69.0	3.8	1.0
101173	40.0	60.0	70.0	90.0	22.0	3.4	70.0
101373	3.5	9.2	4.3		1.0	1.0	3.0
101573	240.0	26.0	25.0	27.0	14.0	1.9	32.0
101773	4.0	12.0	9.0	5.0	12.0	1.0	1.0
101973	6.0	11.0	10.0	43.0	23.0	2.0	1.0
102073	29.0	24.0	31.0	41.0	19.0	3.0	19.0
102273	110.0	65.0	88.0	49.0	41.0	14.0	22.0
102573	13.0	53.0	57.0	41.0	17.0	5.0	0.5
102573	5.0	30.0	30.0	44.0	6.0	5.0	2.0
50 PERCENT	27.0	30.0	31.0	43.5	19.0	3.0	2.0
10 PERCENT	186.0	98.0	107.2	98.1	63.0	10.9	54.8

SILVER MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.0
100573	9.0	4.0	4.0	2.0	1.0	2.0	3.0	1.0
100773	10.0	1.4	5.0	1.3	1.0	1.5	5.5	1.8
101073	7.8	1.1	2.1	2.7	1.5	1.5	5.9	1.5
101173	5.0	3.0	3.6	12.0	1.5	3.6	5.9	1.4
101373	1.0	1.0	1.2	1.0	1.0	1.0	1.0	1.0
101573	3.2	1.0	1.0	7.8	1.0	1.4	2.4	4.9
101773	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0
101973	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
102073	6.0	1.0	2.0	12.0	1.0	1.0	4.0	1.0
102273	11.0	2.0	1.0	16.0	1.0	9.0	11.0	1.0
102373	2.5	0.5	0.5	1.0	0.5	0.5	1.0	0.5
102573	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
50 PERCENT	3.2	1.0	1.0	2.0	1.0	1.0	2.4	1.0
10 PERCENT	10.6	3.6	4.6	14.4	1.5	6.8	9.0	3.7

SODIUM MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS
	1 COMBINED RAW SEWAGE
100873	13,120
101073	1,022
101173	614
101473	426
101973	330
50 PERCENT	614
10 PERCENT	0

STRONTIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	230
101073	120
101173	68
101473	100
101973	132
50 PERCENT	120
10 PERCENT	0

THALLIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	5.0
101073	1.0
101173	4.0
101473	7.0
101973	7.5
50 PERCENT	5.0
10 PERCENT	0.0

TIN MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	57
101073	98
101173	80
101473	77
101973	53
50 PERCENT	77
10 PERCENT	0

TITANIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	4.0
101073	4.0
101173	15.0
101973	4.0
50 PERCENT	4.0
10 PERCENT	0.0

VANADIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	10.0
101073	5.0
101173	5.0
101473	18.0
101973	42.0
50 PERCENT	10.0
10 PERCENT	0.0

ZINC MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT
100273	760	310	510		650	380	17
100573	720	490	820	1,100	550	230	170
100773	310	770	560		400	350	140
101073	440	200	480	610	860	170	20
101173	540	510	700	880	320	130	220
101373	320	360	36		12	220	45
101573	1,000	260	330	770	380	320	100
101773	440	490	580	460	530	220	34
101973	1,100	350	820	3,100	620	230	63
102073	2,320	840	1,240	1,600	900	620	140
102273	550	460	580	520	330	330	31
102373	370	700	1,000	690	350	290	28
102573	760	120	680	1,500	470	380	170
50 PERCENT	550	460	580	825	470	290	63
10 PERCENT	1,832	812	1,144	2,950	884	524	200

ZINC MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100273	340	330	230	67	21	34	86	29
100573	340	290	210	45	19	47	51	26
100773	320	300	190	200	23	27	100	37
101073	280	250	200	120	24	31	72	35
101173	150	160	110	71	22	44	77	18
101373	270	170	320	24	14	12	230	93
101573	350	190	130	16	25	13	100	110
101773	320	180	88	30	20	14	74	54
101973	390	170	180	32	25	30	180	47
102073	680	280	400	35	240	14	280	540
102273	260	310	200	33	20	28	150	36
102373	310	170	620	23	18	12	190	35
102573	280	230	98	34	31	28	110	44
50 PERCENT	320	230	200	34	22	28	100	37
10 PERCENT	644	322	532	168	156	46	260	368

LITHIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	11.0
101073	8.4
101173	7.5
101473	13.0
101973	9.0
50 PERCENT	9.0
10 PERCENT	0.0

HEXAVALENT CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100473	5.0	5.0	5.0	5.0	5.0	5.0	5.0
100673	5.0	5.0	5.0	5.0	5.0	5.0	5.0
100873	5.0	5.0	5.0	5.0	5.0	5.0	5.0
100973	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101073	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101273	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101373	5.0	5.0	5.0		5.0	5.0	5.0
101473	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101673	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102173	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102273	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102573	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102673	5.0	5.0	5.0	5.0	5.0	5.0	5.0
50 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0	5.0
10 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0	5.0

HEXAVALENT CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100473	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
100673	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
100873	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
100973	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101073	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101273	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101373	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101473	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101673	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102173	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102273	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102573	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102673	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
50 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
10 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

F E R R O U S I R O N M I C R O - G / L

2 4 H O U R C O M P O S I T E

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100473	20	20	20	20	20	20	20
100673	20	20	20	20	20	20	20
100873	24	20	35	24	24	20	20
100973	73	78	44	81	55	24	20
101073	44	45	54	43	54	20	20
101273	47	35	20	20	20	20	20
101373	117	54	36		63	20	20
101473	20	44	35	32	36	20	20
101673	133	29	30	29	26	20	20
102173	20	20	20	20	20	20	20
102273	20	20	47	50	43	20	20
102573	29	34	45	20	29	20	20
102673	38	28	36	20	48	20	20
50 PERCENT	29	29	35	22	29	20	20
10 PERCENT	127	68	51	72	60	22	20

F E R R O U S I R O N M I C R O - G / L

2 4 H O U R C O M P O S I T E

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100473	<20	20	20	20	20	20	20	20
100673	<20	20	20	20	20	20	20	20
100873	<20	20	20	20	20	20	20	20
100973	22	20	20	20	20	20	31	26
101073	<20	20	20	20	20	20	20	20
101273	20	20	20	20	20	20	20	20
101373	20	20	27	20	20	20	20	20
101473	20	20	20	20	20	20	20	20
101673	<20	20	26	20	20	20	24	20
102173	20	20	20	20	20	20	20	20
102273	20	20	20	20	20	20	20	20
102573	20	20	21	20	20	20	20	20
102673	20	20	20	20	20	20	20	20
50 PERCENT	20	20	20	20	20	20	20	20
10 PERCENT	21	20	27	20	20	20	28	24

ALKALINITY MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273						76	
100373						92	
100473	173	130	130	135	140	76	76
100573						61	
100673	173	151	151	157	140	59	77
100773						27	
100873	124	113	97	97	108	37	48
100973	124	108	100	108	110	38	59
101073	205	113	157	146	162	65	76
101173	145	156	150	156	156	79	72
101273	145	156	150	161	156	161	72
101373	139	150	139		150	156	72
101473	156	150	145	145	156	61	56
101573						56	
101673	186	142	167	139	156	67	72
101773						70	
101873						83	
101973	183	139	144	156	156	61	67
102073						156	
102173	183	156	144	156	161	61	117
102273	77	139	111	94	127	38	66
102373						50	
102473						61	
102573	206	172	178	245	183	67	61
102673	156	167	189	278	178	89	67
50 PERCENT	156	150	145	151	156	67	72
10 PERCENT	205	169	182	262	180	156	93

ALKALINITY MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	143							
100373	149							
100473	146	162	86	103	113	108	108	108
100573	162							
100673	151	162	81	97	103	97	124	97
100773	97							
100873	129	140	97	75	91	97		59
100973	113	151	108	81	108	108	118	113
101073	151	167	86	65	146	157	146	308
101173	145	133	128	95	139	139	133	217
101273	145	128	122	89	126	133	128	172
101373	139	122	122	94	122	128	122	178
101473	133	128	122	150	106	122	117	150
101573	139							
101673	139	145	111	128	128	139	145	183
101773	181							
101873	176							
101973	133	139	117	122	133	128	139	178
102073	139							
102173	139	133	122	117	117	122	128	173
102273	122	116	83	111	116	127	111	183
102373	122							
102473	122							
102573	161	172	172	222	117	156	133	228
102673	167	150	139	228	356	122	156	261
50 PERCENT	139	140	117	103	117	127	128	178
10 PERCENT	169	169	152	224	230	156	151	280

5 DAY BOD MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	223	228	214		229	7.6	1.1
100373	275	156	161		80	12.8	5.4
100473	206	189	192	174	69	9.0	1.2
100573	152	72	173	141	93	7.9	1.4
100673	196	192	145	259	135	5.7	2.3
100773	59	96	54		46	1.5	1.6
100873	195	95	142	93	64	5.9	1.0
100973	506	99	314	166	44	9.8	1.0
101073	49	139	315	187	261	5.0	4.4
101173	183	180	231	238	73	1.3	4.5
101273	75	137	295	361	101	4.5	8.0
101373	238	76	210		67	4.0	2.5
101473	171	174	195	171	109	41.6	4.5
101573	431	360	202	228	132	5.3	3.3
101673	185	229	326	62	92	104.0	3.8
101773	238	166	214	206	138	7.0	4.2
101873	248	137	290	292	131	6.2	2.3
101973	292	214	258	286	131	33.7	2.5
102073	246	237	247	279	124	4.4	1.9
102173	96	178	135	124	115	9.1	1.7
102273	67	100	165	35	89	4.2	1.3
102373	99	111	311	208	67	9.7	3.1
102473	243	287	141	185	106	59.7	0.9
102573	221	263	275	615	126	8.9	3.2
102673	242	140	207	202	117	1.0	2.8
50 PERCENT	206	166	210	202	106	7.0	2.5
10 PERCENT	348	273	314	347	174	48.8	4.9

5 DAY BOD MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	11.7	3.3	87.4	29.3	32.0	31.3	115	6.7
100373	10.1	5.2	46.4	49.5	80.0	44.7	54	26.7
100473	5.3	5.5	53.7	43.7	52.1	31.8	74	58.9
100573	15.8	12.2	35.3	29.1	48.6	46.2	44	30.4
100673	10.5	1.6	33.9	22.4	30.1	22.7	31	15.3
100773	11.1	6.5	18.2	9.1	15.7	12.5	21	3.6
100873	8.4	2.3	20.2	9.7	22.1	5.2	36	6.0
100973	9.0	10.3	15.8	5.5	20.1	13.4	13	1.6
101073	6.9	9.5	15.0	8.1	29.9	14.8	33	2.9
101173	4.2	2.5	21.9	13.8	38.2	18.1	17	1.4
101273	4.2	4.1	21.3	13.6	45.1	31.5	36	5.6
101373	5.1	2.0	7.2	7.3	20.5	18.2	11	4.6
101473	4.1	5.1	10.8	16.3	15.9	15.2	11	17.0
101573	7.7	4.2	68.0	14.4	37.2	27.4	27	3.4
101673	4.7	3.1	35.8	14.9	46.2	19.2	98	4.3
101773	5.2	11.4	43.0	28.6	52.6	46.6	31	4.0
101873	5.9	1.3	50.4	29.1	56.9	54.6	42	4.0
101973	7.6	2.5	61.3	38.7	46.4	42.3	34	5.6
102073	6.3	4.8	33.1	26.9	3.8	21.4	37	7.1
102173	5.3	3.1	11.9	9.0	24.7	21.5	21	7.8
102273	8.2	2.2	20.3	5.7	25.3	16.2	18	3.9
102373	6.6	3.9	40.9	18.8	1.5	13.4	33	6.3
102473	10.4	3.4	44.0	13.1	52.4	41.1	58	4.2
102573	7.9	1.9	57.2	12.7	48.8	42.2	35	3.5
102673	6.1	1.0	13.4	1.0	13.6	2.1	17	16.0
50 PERCENT	6.9	3.4	33.9	14.4	32.0	21.5	33	5.6
10 PERCENT	11.3	10.7	64.0	40.7	54.3	46.4	84	28.2

DISSOLVED 5 DAY BOD MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 32 H.P.O. - A.S. MIXED LIQUOR
100273		12.0	18.0
100473	12.0		
100573	1.0	1.0	1.0
100773		3.6	4.0
100973	38.5		
101073		6.0	12.0
101173		28.2	57.0
101373	1.0	9.2	9.3
101573	20.4	5.7	2.4
101773	18.0	9.6	6.0
101973		8.2	12.8
102073		11.4	45.9
102273		12.0	60.0
102373		11.6	22.4
102473	4.0		
102573		4.0	12.8
50 PERCENT	18.0	9.2	12.8
10 PERCENT	0.0	21.7	58.8

BROMIDE MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.1
101073	1.9
101173	0.1
101473	0.1
101973	0.1
50 PERCENT	0.1
10 PERCENT	0.0

CHLORIDE MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	1,620
101073	1,530
101173	855
101473	560
101973	739
50 PERCENT	855
10 PERCENT	0

CHEMICAL OXYGEN DEMAND MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT
100273	1,010	619	685		714	196	91.9
100373	1,003	621	998		662	240	156.0
100473	1,104	530	772	876	535	376	142.0
100573	637	396	822	125	276	171	10.0
100673	823	516	629	1,010	853	166	126.0
100773	281	356	378		314	175	114.0
100873	546	424	378	541	519		38.9
100973	1,023	409	733	958	520	121	99.2
101073	528	411	668	778	1,115	226	83.1
101173	550	463	586	887	460	197	106.0
101273	1,098	597	525	855	288	111	113.0
101373	636	316	481		400	227	115.0
101473	617	387	501	388	143	171	43.8
101573	745	455	462	507	285	302	50.0
101673	536	408	396	549	286	133	135.0
101773	642	384	468	500	332	183	81.8
101873	739	440	1,139	1,076	439	69	99.3
101973	738	581	500	1,471	360	142	16.4
102073	809	547	596	611	338	114	31.4
102173	341	358	331	400	311	49	13.8
102273	484	287	351	450	273	99	37.4
102373	369	512	891	671	262	90	1.6
102473	558	466	576	949	403	190	159.0
102573	636	688	546	1,433	310	201	27.1
102673	771	623	542	616	389	173	89.9
50 PERCENT	637	440	546	671	360	174	89.9
10 PERCENT	1,053	622	934	1,362	770	271	147.6

CHEMICAL OXYGEN DEMAND MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	221	42.2	268	83	218	97	232	68
100373	117	89.0	203	98	170	70	172	75
100473	172	59.0	120	135	101	117	132	180
100573	153	83.0	136	123	125	137	144	22
100673	115	30.6	233	179	169	135	216	171
100773	82	66.2	142	56	61	95	165	61
100873	126	62.5	103	60	64	39	104	60
100973	134	36.7	196	82	145	125	170	62
101073	225	07.0	241	89	147	127	364	36
101173	26	10.0	137	104	103	85	169	70
101273	153	53.5	157	125	132	113	159	89
101373	33	20.2	91	63	61	125	109	38
101473	87	43.8	140	100	73	80	97	72
101573	85	66.0	132	48	63	52	125	37
101673	105	38.9	112	67	110	80	121	15
101773	108	41.8	117	89	109	80	141	45
101873	50	54.5	231	74	115	111	136	72
101973	109	17.9	220	87	129	74	141	54
102073	390	66.5	436	69	119	59	139	59
102173	122	3.0	25		130	59	119	129
102273	72	40.6	172	62	83	59	137	33
102373	53	37.0	103	115	64	51	156	64
102473	164	38.0	149	89	164	121	179	48
102573	121	70.6	185	55	166	103	174	59
102673	165	77.2	170	123	142	115	205	102
50 PERCENT	117	53.5	149	88	119	95	144	61
10 PERCENT	223	08.2	252	130	169	130	222	146

SOLUBLE CHEMICAL OXYGEN DEMAND MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	10 H.P.O. - A.S. EFFLUENT	31 CONVENTIONAL A.S MIXED LIQUOR	32 H.P.O. - A.S. MIXED LIQUOR
100273	177	71	271.0	271
100573	145	18	37.8	23
100673		127		
100773	171	61	46.4	78
100873		39		
100973		171		
101073	373	198	73.4	110
101173	165	70	79.3	84
101273		168		
101373	156	58	57.6	85
101473		66		
101573	195	86	10.0	16
101773	175	88	87.8	28
101873		99		
101973	115	92	65.4	88
102073	215	343	277.0	64
102173		29		
102273	135	36	33.3	82
102373	191	56	85.0	73
102473		95		
102573	164	93	55.4	119
102673		143		
50 PERCENT	171	87	65.4	82
10 PERCENT	310	190	274.6	210

FLOURIDE MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100473	1.0	1.2	1.4	1.3	2.0	1.3	0.7
100573	1.0	1.3	1.3	1.5	1.5	1.3	1.1
100973	1.2	1.2	1.8	1.6	1.3	1.3	0.7
101373	0.9	1.0	1.1		1.1	1.2	0.8
101573	1.3	1.6	1.3	1.2	1.6	1.1	1.0
101773	1.3	1.8	1.3	1.4	1.4	1.6	0.9
102173	0.7	0.9	0.8	0.8	0.9	0.9	0.7
102473	0.8	1.7	1.1	1.2	1.2	1.1	0.6
50 PERCENT	1.0	1.2	1.3	1.3	1.3	1.2	0.7
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FLOURIDE MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100473	1.3	1.3	1.4	1.6	0.5	0.5	0.5	
100573	1.5	1.3	1.0	1.4	0.8	0.5	0.5	
100973	1.2	1.0	1.6	0.9	0.6	0.9	0.6	
101373	1.0	1.2	0.9	1.1	0.6	0.6	0.5	
101573	1.3	1.4	1.3	1.1	0.6	0.5	0.8	
101773	1.6	1.6	1.6	1.3	0.8	0.9	0.9	
102173	0.8	1.0	0.7	0.6	0.4	0.3	0.5	
102473	1.5	1.2	1.1	1.5	0.6	0.7	0.7	
50 PERCENT	1.3	1.3	1.2	1.2	0.6	0.5	0.6	
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

IODIDE MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.06
101073	0.03
101173	0.01
101473	0.07
101973	0.01
50 PERCENT	0.03
10 PERCENT	0.00

OIL & GREASE MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT
100273	29.2	24.4	74.4		51.6	0.1	18.4
100373	24.8	66.4	46.8		49.0	25.2	13.2
100473	91.6	22.0	31.6	37	8.8	2.6	2.4
100573	38.8	11.6	22.0	21	8.4	0.4	0.1
100673	06.0	31.0	30.4	64	14.0	2.2	1.0
100773	21.4	21.6	16.8		7.2	0.1	0.1
100873	32.4	34.8	21.4	28	14.8	1.0	0.6
100973	53.0	43.0	58.4	78	22.2	1.6	1.0
101073	7.2	23.6	28.2	23		2.0	1.6
101173	19.2	15.8	29.0	42	7.8	1.4	2.0
101273	30.2	42.4	42.0	75	7.8	0.4	0.2
101373	30.2	30.4	18.8		6.2	2.0	0.1
101473	26.0	24.2	29.4	20	3.2	7.4	0.8
101573	51.2	18.4	11.8	24	5.0	2.2	3.6
101673	36.2	27.8	63.8	57	18.8	1.6	0.2
101773	27.2	17.2	33.6	36	13.4	2.2	2.6
101873	63.0	27.0	67.0	109	12.2	3.0	5.0
101973	45.6	3.6	46.6	138	14.4	5.8	4.6
102073	33.2	7.0	16.4	16	4.0	0.1	0.1
102173	25.8	3.4	8.4	21	13.2	5.4	17.6
102273	14.4	20.0	27.4	20	6.6	1.8	1.2
102373	21.6	43.8	60.8	31	5.2	1.0	1.4
102473	31.8	17.4	21.8	12	6.0	2.8	2.8
102573	42.8	30.0	1.8	734	10.0	0.1	4.2
102673	48.4	38.2	57.4	72	11.2	3.4	3.2
50 PERCENT	33.2	24.2	29.4	36	9.4	2.0	1.6
10 PERCENT	26.4	43.3	65.1	132	35.6	6.4	15.0

O I L & G R E A S E M G / L

2 4 H O U R C O M P O S I T E

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	33.6	5.4	1.8	1.2	0.2	0.1	9.0	1.2
100373	15.2	10.6	9.4	2.6	7.2	4.0	0.8	4.2
100473	2.2	1.6	0.8	3.8	1.6	2.2	5.2	2.2
100573	2.4	0.1	1.4	2.4	2.0	1.6	1.4	1.8
100673	2.4	0.1	2.4	1.4	2.6	2.2	2.2	0.8
100773	0.1	0.6	0.1	0.1	0.1	0.1	0.1	0.1
100873	1.4	2.8	1.8	1.6	3.0	0.2	1.4	0.4
100973	0.8	0.1	0.6	1.0	2.6	1.0	2.2	2.0
101073	2.4	1.6	1.0	0.1	0.8	0.6	0.6	0.8
101173	3.4	2.8	1.0	1.0	2.0	1.8	3.4	1.2
101273	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.4
101373	1.2	1.6	3.8	2.0	3.8	1.8	4.8	1.8
101473	15.2	1.6	2.4	5.4	4.0	1.6	2.4	2.4
101573	2.6	1.4	2.6	2.4	2.0	1.8	3.8	1.8
101673	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
101773	2.4	2.6	1.6	1.2	2.8	1.0	1.6	0.6
101873	3.0	3.0	1.6	1.0	3.0	0.6	2.4	0.4
101973	4.0	4.4	2.6	0.6	1.4	0.4	1.4	1.0
102073	4.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102173	2.4	3.6	0.2	1.4	3.4	0.8	2.0	0.8
102273	0.1	0.6	0.1	0.1	0.1	0.1	0.6	0.1
102373	2.6	1.4	1.8	10.2	1.0	1.0	1.8	1.0
102473	2.8	1.8	2.8	4.0	4.6	3.0	6.8	4.0
102573	1.8	0.1	7.8	2.2	3.8	1.6	5.6	3.2
102673	2.0	5.0	3.2	1.0	3.0	2.8	5.0	1.8
50 PERCENT	2.4	1.6	1.6	1.2	2.6	1.0	2.0	1.0
10 PERCENT	14.0	5.2	5.4	4.6	5.6	2.9	6.1	3.5

P H E N O L M G / L

2 4 H O U R C O M P O S I T E

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	0.24	0.07	0.12		0.09	0.013	0.001
100573	0.14	0.11	0.13	0.12	0.05	0.001	0.001
100773	0.19	0.07	0.05		0.04	0.008	0.003
101073	0.06	0.09	0.24	0.23	0.49	0.014	0.002
101173	0.27	0.13	0.18	0.21	0.07	0.012	0.001
101373	0.33	0.10	0.13		0.07	0.007	0.001
101573	0.38	0.11	0.15	0.24	0.07	0.006	0.001
101773	0.35	0.10	0.18	0.18	0.10	0.009	0.001
101973	0.47	0.15	0.17	0.33	0.07	0.011	0.002
102073	0.04	0.11	0.18	0.13	0.09	0.016	0.004
102273	0.05	0.08	0.07	0.05	0.04	0.006	0.002
102373	0.15	0.13	0.18	0.12	0.34	0.012	0.004
102573	0.34	0.09	0.18	0.34	0.04	0.009	0.002
50 PERCENT	0.24	0.10	0.17	0.19	0.07	0.009	0.002
10 PERCENT	0.43	0.15	0.22	0.34	0.43	0.015	0.004

PHENOL MG/L

24 HOUR COMPOSITE

DATE	NF + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	0.008	0.003	0.09	0.004	0.09	0.002	0.09	0.001
100573	0.008	0.001	0.05	0.001	0.05	0.001	0.05	0.001
100773	0.009	0.001	0.05	0.001	0.05	0.002	0.04	0.001
101073	24.000	0.001	0.09	0.003	0.12	0.001	0.11	0.001
101173	0.021	0.001	0.09	0.004	0.11	0.002	0.09	0.002
101373	0.010	0.001	0.04	0.001	0.07	0.002	0.05	0.001
101573	0.011	0.001	0.07	0.001	0.10	0.001	0.08	0.001
101773	0.015	0.002	0.07	0.001	0.14	0.001	0.06	0.001
101973	0.021	0.002	0.09	0.002	0.13	0.002	0.07	0.001
102073	0.023	0.002	0.05	0.004	0.15	0.003	0.05	0.004
102273	0.010	0.001	0.03	0.001	0.07	0.001	0.02	0.001
102373	0.011	0.002	0.04	0.001	0.07	0.001	0.03	0.001
102573	0.015	0.001	0.04	0.001	0.13	0.001	0.04	0.001
50 PERCENT	0.011	0.001	0.05	0.001	0.10	0.001	0.05	0.001
10 PERCENT	14.409	0.003	0.09	0.004	0.14	0.003	0.10	0.003

SULFATE MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS
	1 COMBINED RAW SEWAGE
100873	230
101073	420
101173	440
101473	340
101973	130
50 PERCENT	340
10 PERCENT	0

SULFATE MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	1.3
101073	4.8
101173	3.0
101473	2.5
101973	4.0
50 PERCENT	3.0
10 PERCENT	0.0

SULFIDE MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT
100473	0.50	0.3	0.4	0.4	0.2	0.3	0.2
100673	0.30	0.1	0.3	1.9	0.4	0.1	0.1
100873	0.40	0.3	0.4	0.8	0.4	0.1	0.2
100973	0.06	0.3	0.3	0.7	0.4	0.2	0.2
101073	0.30	0.2	0.3	0.6	0.6	0.1	0.1
101273	1.20	0.7	0.4	0.1	0.3	0.1	0.1
101373	1.20	0.2	0.7		0.4	0.1	0.1
101473	0.10	0.2	0.2	0.1	0.1	0.1	0.1
101673	0.40	0.4	0.3	0.3	0.1	0.1	0.1
101773	0.20	0.1	0.1	0.3	0.2	0.1	0.3
102273	0.10	0.1	0.1	0.1	0.1	0.2	0.1
102573	0.20	0.2	0.2	0.1	0.3	0.1	0.1
102673	0.40	0.1	0.2	0.4	0.2	0.1	0.1
50 PERCENT	0.30	0.2	0.3	0.3	0.3	0.1	0.1
10 PERCENT	1.20	0.6	0.6	1.6	0.5	0.3	0.3

SULFIDE MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100473	0.3	0.1	0.1	0.1	0.1	0.3	0.1	0.3
100673	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100873	0.4	0.1	0.1	0.1	0.1	0.1	0.3	0.3
100973	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
101073	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101273	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1
101373	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
101473	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101673	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
102173	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102273	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102573	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102673	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
50 PERCENT	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 PERCENT	0.4	0.2	0.2	0.2	0.2	0.3	0.3	0.3

SURFACTANTS MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100473	2.3	1.7	1.6	1.5	1.4	0.1	0.1
100573	1.5	1.7	2.4	2.5	1.6	0.1	0.1
100973	1.9	1.7	1.8	1.6	1.4	0.1	0.1
101373	2.8	2.1	2.1		1.6	0.1	0.1
101573	2.1	3.1	0.2	1.9	1.7	0.1	0.1
101773	1.0	0.5	2.1	0.6	0.6	0.1	0.1
102173	3.8	2.7	2.9	3.2	2.5	0.1	0.1
102473	1.0	0.9	1.4			0.1	0.1
50 PERCENT	2.0	1.7	1.9	1.8	1.6	0.1	0.1
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SURFACTANTS MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100473	0.1	0.1	1.4	0.1	1.1	0.1	1.5	0.1
100573	0.1	0.1	1.0	0.1	0.8	0.1	0.5	0.1
100973	0.1	0.1	1.0	0.1	0.6	0.1	0.6	0.1
101373	0.1	0.1	1.1	0.1	0.6	0.1	0.8	0.1
101573	0.1	0.1	1.7	0.1	1.8	0.1	0.1	0.1
101773	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.1
102173	0.1	0.1	1.3	0.1	1.1	0.1	1.3	0.1
102473	0.1	0.1	0.1	0.1	0.3	0.1	2.3	0.1
50 PERCENT	0.1	0.1	1.0	0.1	0.7	0.1	0.7	0.1
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

HARDNESS MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	307
101073	680
101173	300
101473	300
101973	360
50 PERCENT	307
10 PERCENT	0

TOTAL ORGANIC CARBON MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100473	247	100	112	112	57	11.0	2.0
100673	204	137	116	261	137	17.0	2.0
100873	136	92	104	112	74	13.0	4.0
100973	244	113	158	186	86	12.0	3.0
101073	107	98	144	144	196	20.0	3.0
101273	216	138		181	74	9.0	2.0
101373	216	88	122		97	19.0	1.0
101473	96	95	98	89	68	1.0	18.0
101673	147	152	132	124	66	17.0	2.0
102173	75	80	80	92	78	11.0	2.0
102273	39	59	55	50	47	12.0	2.0
102573	36	40	34	54	99	25.0	2.0
102673	12	29	34	42	76	29.0	2.0
50 PERCENT	136	95	108	112	76	13.0	2.0
10 PERCENT	246	146	154	238	172	27.4	12.4

TOTAL ORGANIC CARBON MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100473	15	3.0	33	20.0	25	12.0	38	0.0
100673	27	5.0	22	10.0	21	13.0	31	4.0
100873	20	1.0	24	7.0	20	7.0	31	2.0
100973	24	4.0	42	10.0	34	14.0	48	9.0
101073	28	2.0	48	18.0	46	20.0	54	9.0
101273	14	1.0	32	16.0	31	20.0	36	8.0
101373	14	1.0	25	15.0	26	20.0	35	5.0
101473	14		18	7.0	12	7.0	22	2.0
101673	16	1.0	27	15.0	23	14.0	37	4.0
102173	13	1.0	20	7.0	14	9.0	24	7.0
102273	13	2.0	15	3.0	14	5.0	25	4.0
102573	13	2.0	33	7.0	28	21.0	34	3.0
102673	21	2.0	38	6.0	28	21.0	34	3.0
50 PERCENT	15	2.0	27	10.0	25	14.0	34	5.0
10 PERCENT	28	4.7	46	19.2	41	21.0	74	7.6

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT
100273	12.6	11.0	11.6		12.2	1.70
100373	18.8	13.4	14.2		13.8	5.40
100473	13.2	10.6	14.8	14.4	13.2	1.50
100573	16.6	13.6	14.8	15.4	13.2	0.66
100673	17.6	16.4	14.4	16.8	13.6	0.60
100773	7.6	8.4	7.4		7.6	0.32
100873	12.0	10.2	18.0	10.2	7.6	0.75
100973	14.9	11.6	14.4	12.8	10.6	0.32
101073	14.8	11.6	18.0	15.6	14.4	0.30
101173	18.8	16.4	18.4	16.4	17.2	1.20
101273	24.0	12.8	12.8	15.2	13.2	3.20
101373	24.0	11.2	14.4		13.6	0.54
101473	11.2	12.2	14.4	13.6	13.6	0.28
101573	14.4	12.8	15.0	15.0	12.2	0.20
101673	19.6	14.8	17.6	15.4	10.8	0.06
101773	18.8	14.4	15.4	15.4	13.6	0.06
101873	21.2	15.6	16.8	14.8	13.0	0.89
101973	18.8	16.4	16.0	22.6	11.2	0.11
102073	14.4	10.4	12.8	12.2	13.4	0.32
102173	10.0	10.9	10.4	11.6	10.0	0.36
102273	6.6	11.1	9.9	8.6	11.1	0.43
102373	13.2	10.6	12.8	12.8	10.8	2.18
102473	10.4	12.8	11.8	13.2	10.8	
102573	18.0	15.4	18.0	15.4	14.6	1.40
102673	20.0	13.8	15.4	13.2	14.4	2.25
50 PERCENT	14.9	12.8	14.4	14.8	13.2	0.57
10 PERCENT	22.3	16.4	18.0	16.7	14.5	3.82

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100273	0.40	14.2	12.6	13.4	11.2	11.6
100373	0.48	12.6	12.6	13.4	12.6	16.4
100473	1.90	11.0	11.6	12.6	11.6	12.6
100573	1.20	14.8	12.6	15.4	13.6	16.4
100673	1.70	15.4	14.8	14.8	14.4	14.8
100773	0.15	8.6	10.6	9.4	10.2	9.8
100873	0.48	12.4	12.0	8.8	8.4	11.0
100973	0.46	12.2	12.2	10.4	6.4	10.4
101073	0.30	10.4	16.0	12.8	12.8	20.4
101173	0.84	12.2	1.0	16.0	15.2	14.4
101273	0.00	13.2	13.2	12.8	13.6	13.6
101373	0.23	13.6	13.2	13.6	13.2	14.4
101473	0.15	12.2	11.6	13.2	12.8	12.2
101573	0.11	11.6	14.4	13.2	12.8	13.6
101673	0.06	13.0	14.0	16.4	14.8	13.4
101773	0.03	12.4	11.6	16.8	12.8	12.8
101873	0.89	14.0	12.0	17.2	16.4	15.6
101973	0.90	14.8	12.0	15.2	13.4	15.2
102073	1.30	11.4	10.9	12.8	10.0	11.6
102173	0.26	10.0	8.2	11.6	10.0	11.6
102273	1.13	11.5	12.0	14.2	11.5	13.6
102373	0.69	10.0	10.0	15.4	7.8	15.8
102473	0.39	12.4	12.4	14.8	10.0	14.8
102573	2.30	15.4	14.6	15.4	13.0	14.6
102673	0.04	13.6	5.7	16.8	13.8	15.6
50 PERCENT	0.48	12.4	12.0	13.6	12.8	13.6
10 PERCENT	1.78	15.0	14.7	16.8	15.7	16.4

NITRATE-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT
100673	1.40	0.1	1.2	1.40	0.1	6.4
101073	0.20	0.1	5.3	0.10	0.1	7.7
101173	0.10	0.1	0.1	0.10	0.1	5.6
101473	0.20	0.1	0.9	0.10	0.1	2.2
101973	0.09	0.2	0.1	0.05	0.1	2.7
50 PERCENT	0.20	0.1	0.9	0.10	0.1	5.6
10 PERCENT	0.00	0.0	0.0	0.00	0.0	0.0

NITRATE-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100673	6.2	6.5	5.9	0.9	0.1	0.1
101073	7.7	0.1	1.4	0.2	0.1	0.1
101173	6.1	0.2	0.7	0.1	0.1	3.0
101473	2.5	0.4	0.7	0.1	0.1	0.4
101973	2.8	0.2	1.8	0.1	0.4	0.3
50 PERCENT	6.1	0.2	1.4	0.1	0.1	0.3
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0

NITRITE-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT
100873	0.10	0.01	0.01	0.01	0.16	0.10
101073	0.02	0.04	0.02	0.04	0.02	0.38
101173	0.13	0.02	0.03	0.01	0.18	0.38
101473	0.02	0.10	0.04	0.03	0.35	0.02
101973	0.01	0.02	0.01	0.01	0.01	0.14
50 PERCENT	0.02	0.02	0.02	0.01	0.16	0.14
10 PERCENT	0.00	0.00	0.00	0.00	0.00	0.00

NITRITE-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100873	0.25	0.37	0.2	0.01	0.01	0.01
101073	0.14	0.63	0.4	0.03	0.07	1.43
101173	0.16	0.01	0.5	0.01	0.02	1.65
101473	0.03	0.20	0.6	0.02	0.02	0.23
101973	0.19	0.53	0.6	0.01	0.01	3.40
50 PERCENT	0.16	0.37	0.5	0.01	0.02	1.43
10 PERCENT	0.00	0.00	0.0	0.00	0.00	0.00

ORGANIC NITROGEN MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT
10[illegible]73	5.0	4.3	0.1	10.8	0.9	4.4
10[illegible]73	3.2	7.9	4.5	13.4	0.1	1.8
10[illegible]73	0.1	4.6	9.6	2.1	1.3	2.0
10[illegible]73	6.3	0.1	16.1	14.4	0.4	1.5
10[illegible]73	2.4	3.1	4.5	8.2	4.8	1.2
50 PERCENT	6.3	4.3	4.5	10.8	1.3	1.8
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0

ORGANIC NITROGEN MG/L

24 HOUR COMPOSITE

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	16 CARBON COLUMN EFFLUENT	23 CARBON COLUMN EFFLUENT	30 CARBON COLUMN EFFLUENT
10[illegible]73	1.9	9.6	0.1	2.7	0.1	0.1
10[illegible]73	0.9	0.1	0.1	0.1	0.1	0.1
11[illegible]73	1.1	12.8	20.3	3.0	2.8	11.6
10[illegible]73	0.2	0.8	3.9	2.3	0.1	2.3
10[illegible]73	1.5	5.6	4.2	1.1	4.8	1.0
50 PERCENT	1.1	5.6	3.9	2.3	0.1	1.0
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NITROGEN MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT
100473	55	37.0	37	37	34.0	83.0
100673	41	36.0	28	60	34.0	5.9
100873	37	14.5	15	21	18.5	5.1
100973	29	16.5	37	31	17.5	2.0
101073	26	19.5	23	29	11.5	2.1
101273	26	15.1	28	29	16.0	15.1
101373	26	16.1	28		19.2	3.5
101473	18	2.9	31	28	14.0	1.8
101673	32	31.0	12	34	6.4	0.5
102173	14	18.0	16	18	14.0	1.2
102273	17	24.8	17	22	28.7	5.1
102573	19	32.5	20	125	28.5	7.4
102673	29	14.2	24	21	37.0	2.6
50 PERCENT	28	18.0	23	29	18.5	3.5
10 PERCENT	49	36.6	37	105	35.8	55.8

TOTAL NITROGEN MG/L

24 HOUR COMPOSITE

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	16 CARBON COLUMN EFFLUENT	23 CARBON COLUMN EFFLUENT	30 CARBON COLUMN EFFLUENT
100473	7.0	22.5	23.0	14.0	23.0	21.5
100673	2.6	20.0	17.3	11.8	20.5	13.5
100873	2.4	22.0	10.5	11.5	7.3	4.5
100973	0.5	17.5	1.7	14.5	13.5	7.3
101073	1.2	7.3	5.2	9.0	8.0	7.0
101273	2.4	21.3	18.1	22.8	15.6	19.2
101373	2.8	14.1	17.1	16.2	16.2	17.3
101473	0.4	13.0	15.5	15.5	4.8	14.5
101673	0.6	3.9	2.2	11.5	0.7	8.7
102173	1.3	12.1	11.2	13.5	14.2	14.2
102273	2.9	24.8	18.6	22.5	15.0	17.8
102573	4.7	16.0	15.0	15.0	18.5	19.0
102673	0.2	16.0	9.5	19.5	16.0	23.5
50 PERCENT	2.4	16.0	15.0	14.5	15.0	14.5
10 PERCENT	2.1	23.9	21.2	22.7	22.0	22.7

ORTHO PHOSPHATE MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT
100473	3.9	0.9	3.1	3.0	2.1	3.5
100673	4.1	4.8	4.7	5.0	2.2	3.0
100873	1.1	1.8	1.7	1.9	1.3	2.9
100973	2.4	2.1	2.1	2.4	2.0	2.6
101073	1.9	2.4	3.1	3.8	3.3	2.5
101273	2.6	4.0	6.4	6.5	2.9	3.6
101373	1.4	3.5	3.5		2.8	3.4
101473	3.9	3.5	3.8	3.3	3.1	3.4
101673	4.5	3.7	3.3	3.3	3.1	3.8
102173	3.3	3.5	3.5	4.1	4.4	4.1
102273	1.0	1.8	1.8	1.3	1.8	3.5
102573	3.5	3.1	4.0	0.4	2.2	3.3
102673	2.9	2.9	2.8	0.5	1.7	3.2
50 PERCENT	2.9	3.1	3.3	3.1	2.2	3.4
10 PERCENT	4.4	4.5	5.7	6.0	4.0	4.0

ORTHO PHOSPHATE MG/L

24 HOUR COMPOSITE

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100473	0.20	4.3	3.8	0.04	0.01	0.10
100673	0.01	3.7	3.7	0.01	0.01	0.01
100873	0.15	2.2	2.6	0.01	0.01	0.01
100973	0.09	3.0	2.4	0.01	0.01	0.01
101073	0.08	2.3	2.2	0.03	0.01	0.24
101273	0.10	4.1	3.5	0.01	0.01	0.02
101373	0.12	3.6	4.4	0.01	0.01	0.04
101473	0.13	4.1	4.5	0.01	0.01	0.01
101673	0.36	4.5	3.3	0.02	0.02	0.02
102173	1.00	3.9	4.8	0.33	0.01	0.27
102273	0.25	3.4	2.9	0.01	0.01	0.28
102573	0.16	1.0	3.6	0.03	0.02	0.04
102673	0.18	3.8	3.6	0.03	0.03	0.08
50 PERCENT	0.15	3.7	3.6	0.01	0.01	0.04
10 PERCENT	0.74	4.5	4.7	0.21	0.03	0.28

TOTAL PHOSPHATE MG/L

24 HOUR COMPOSITE

DATE	LP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT
100273	9.0	7.0	7.2		10.3	4.6
100373	8.6	7.4	6.4		6.3	4.7
100473	9.9	8.1	7.2	7.4	6.1	4.2
100573	6.6	6.7	8.0	8.2	7.2	3.9
100673	12.3	7.4	8.2	13.4	12.0	4.8
100773	5.4	5.0	3.5		5.5	3.6
100873	3.9	5.1	10.3	5.4	4.8	2.5
100973	9.8	6.8	6.2	10.6	6.6	3.8
101073	6.6	5.4	8.0	10.1	9.8	4.4
101173	7.5	7.8	7.8	7.7	6.2	3.5
101273	10.7	7.6	7.2	8.6	6.5	3.8
101373	10.7	5.8	7.2		7.1	4.3
101473	8.6	7.2	7.8	7.8	7.7	4.6
101573	9.0	8.4	6.3	8.0	8.0	4.8
101673	8.4	9.2	8.9	8.4	7.5	5.3
101773	8.4	7.0	7.1	6.7	6.9	5.0
101873	4.0	3.6	4.0	7.0	3.6	2.4
101973	10.9	7.3	8.2	24.0	8.8	4.9
102073	11.6	6.2	8.6	9.4	6.7	5.1
102173	7.7	6.6	6.6	8.3	10.2	5.8
102273	3.1	3.0	4.4	3.2	5.1	4.3
102373	5.2	6.4	7.7	6.7	5.5	4.3
102473	7.3	6.8	8.0	8.6	7.0	4.4
102573	8.1	8.3	8.0	11.2	7.6	5.4
102673	10.0	7.6	8.4	9.2	8.1	6.3
50 PERCENT	8.4	7.0	7.7	8.3	7.0	4.4
10 PERCENT	11.2	8.3	8.7	13.0	10.3	5.6

TOTAL PHOSPHATE MG/L

24 HOUR COMPOSITE

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100273	0.3	4.3	3.1	0.3	0.10	0.3
100373	0.4	4.0	3.1	0.1	0.10	0.1
100473	0.7	4.9	7.4	0.1	0.10	0.1
100573	0.1	5.0	4.8	0.4	0.60	0.4
100673	0.2	5.9	4.1	0.1	0.10	0.1
100773	0.4	4.0	5.0	0.2	0.10	0.3
100873	1.5	3.3	2.3	0.1	0.10	0.1
100973	0.2	3.9	2.7	0.1	0.10	0.1
101073	0.1	3.7	3.0	0.1	0.10	0.3
101173	0.1	4.4	2.5	0.1	0.10	0.2
101273	0.1	4.6	3.6	0.1	0.10	0.2
101373	0.1	3.6	4.1	0.1	0.10	0.1
101473	0.1	4.9	4.4	0.1	0.08	0.3
101573	0.1	4.8	3.6	0.1	0.10	0.3
101673	0.3	5.3	4.3	0.2	0.10	0.2
101773	1.0	5.0	4.6	0.2	0.12	0.2
101873	0.1	2.2	1.8	0.1	0.10	0.1
101973	0.5	4.3	4.2	0.1	0.10	0.2
102073	0.3	5.2	5.6	0.2	0.10	0.1
102173	1.2	5.6	6.0	0.1	0.06	0.7
102273	0.4	4.2	3.1	0.3	0.10	0.6
102373	0.3	3.2	3.2	0.2	0.10	0.2
102473	0.2	4.0	3.5	0.3	0.10	0.1
102573	0.2	3.8	3.7	0.2	6.00	0.2
102673	0.2	5.1	3.8	0.1	0.10	0.1
50 PERCENT	0.2	4.3	3.7	0.1	0.10	0.2
10 PERCENT	1.0	5.4	5.8	0.3	0.31	0.5

GROSS ALPHA PC/L

24 HOUR COMPOSITE

DATE	TP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	19.0	24.0	22.0		23.0	22.0
100573	19.0	17.0	19.0	21.0	22.0	14.0
100773	13.0	14.0	11.0		14.0	14.0
101073	19.0	17.0	20.0	19.0	18.0	13.0
101173	23.0	10.0	11.0	13.0		15.0
101373	22.0	12.0	16.0		12.0	10.0
101573	11.0	19.0	13.0	16.0	8.0	8.0
101773	26.0	9.0	14.0	18.0	15.0	10.0
101973	24.0	6.0	10.0	21.0	19.0	14.0
102073	7.0	10.0	10.0	10.0	11.0	11.0
102273	11.0	6.0	8.0	8.0	11.0	8.0
102373	9.0	10.0	10.0	11.0	9.0	7.0
102573	22.0	13.0	12.0	19.0	14.0	8.0
50 PERCENT	19.0	12.0	12.0	17.0	14.0	11.0
10 PERCENT	25.2	22.0	21.2	21.0	22.7	19.2

GROSS ALPHA PC/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT
100273	5.0	22.0	20	19.0	23.0
100573	9.0	18.0	20	21.0	17.0
100773	1.0	14.0	17	19.0	17.0
101073	6.0	15.0	22	18.0	19.0
101173	2.0	14.0	15	16.0	
101373	8.0	10.0	17	14.0	19.0
101573	1.0	11.0	22	16.0	16.0
101773	4.0	12.0	14	16.0	16.0
101973	5.0	22.0	25	11.0	25.0
102073	2.0	9.0	12	11.0	13.0
102273	9.0	8.0	12	10.0	8.0
102373	8.0	9.0	11	10.0	10.0
102573	6.0	21.0	11	16.0	15.0
50 PERCENT	2.0	14.0	17	16.0	16.5
10 PERCENT	2.6	22.0	24	20.2	24.4

GROSS BETA PC/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS
	1 COMBINED RAW SEWAGE
100873	34
101073	124
101173	53
50 PERCENT	53
10 PERCENT	0

FLOATABLES MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	4.1	0.9	0.9		0.7	0.5	0.4
100373	1.3	0.5	2.7		0.4	0.2	0.1
100473	2.8	0.6	1.1	0.8	0.3	0.2	0.3
100573	0.5	0.1	0.4	0.4	0.3	0.1	0.1
100673	0.5	0.5	0.3	0.4	0.5	0.3	0.3
100773	0.3	0.1	0.5		0.1	0.1	0.1
100873	1.1	1.5	3.1	1.2	0.7	0.6	0.1
100973	1.0	0.8	0.3	0.7	0.1	0.2	0.1
101073	0.1	0.3	0.3	0.3	0.3	0.3	0.1
101173	0.3	0.2	0.1	0.2	0.1	0.1	0.1
101273	1.5	0.6	0.8	1.9	0.2	2.5	0.1
101373	0.8	0.4	0.3		0.1	0.1	0.1
101473	2.4	0.3	0.4	0.4	0.1	0.1	0.1
101573	0.4	0.1	0.3	0.2	0.1	0.2	0.1
101673	1.7	0.2	0.6	0.6	0.1	0.3	0.1
101773	1.7	1.0	0.9	0.9	0.1	0.2	0.1
101873	1.6	0.2	0.2	0.3	0.1	0.1	0.1
101973	0.7	0.4	0.9	1.4	0.1	0.2	0.1
102073	1.2	0.4	1.6	0.3	0.1	0.3	0.1
102173	0.7	0.5	0.3	0.7	0.1	0.2	0.1
102273	1.8	0.7	0.8	0.2	0.1	0.2	0.1
102373	0.4	0.3	0.5	0.3	0.1	0.2	0.1
102473	0.7	0.3	0.4	0.5	0.1	0.3	0.1
102573	1.0	0.5	0.3	9.8	0.4	1.0	0.1
102673	0.3	0.4	1.0	0.2	0.1	0.1	0.1
50 PERCENT	1.0	0.4	0.5	0.4	0.1	0.2	0.1
10 PERCENT	2.6	0.9	2.0	1.8	0.6	0.8	0.3

FLOATABLES MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100273	0.6	0.3	0.4	0.3	0.3	0.1	0.4	0.3
100373	0.3	0.1	0.8	0.1	0.3	0.2	0.5	0.3
100473	0.2	0.2	0.4	0.5	0.6	0.2	0.6	0.1
100573	0.1	0.1	0.2	0.5	0.5	0.4	0.3	0.4
100673	0.5	0.3	0.4	0.2	0.2	0.2	0.3	0.3
100773	0.4	0.1	0.1	0.2	0.2	0.2	0.2	0.2
100873	1.6	0.1	0.3	0.3	0.6	0.1	0.3	0.2
100973	1.3	0.1	0.4	0.1	0.4	0.1	0.1	0.1
101073	0.7	0.1	0.2	0.1	0.5	0.2	0.1	0.1
101173	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1
101273	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1
101373	0.1	0.1	0.1	0.1	1.2	0.1	0.2	0.1
101473	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101573	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101673	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101773	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101873	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101973	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102073	0.3	0.1	0.1	0.2	0.2	0.1	0.1	0.1
102173	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.2
102273	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102373	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102473	0.6	0.1	0.1	0.2	0.1	0.1	0.1	0.1
102573	0.2	0.2	0.1	0.1	0.3	0.1	0.4	0.1
102673	0.3	0.1	0.2	0.2	0.2	0.2	0.1	0.2
50 PERCENT	0.3	0.1	0.1	0.1	0.2	0.1	0.1	0.1
10 PERCENT	0.9	0.2	0.4	0.4	0.6	0.2	0.4	0.3

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT
100273	10.0	3.8	0.1	0.1	5.9	0.1	0.1
100373	15.0	2.5	3.2	0.1	1.9	0.1	0.1
100473	10.4	5.9	4.9	0.1	0.9	0.2	0.1
100573	6.2	0.1	2.5	7.6	1.0	0.1	0.1
100673	13.0	13.0	0.1	0.1	5.2	0.1	0.1
100773	1.1	4.5	3.5		2.2	0.1	0.1
100873	7.5	3.4	0.1	2.0	0.9	0.9	0.1
100973	5.8	2.9	6.5	5.5	1.6	0.1	0.1
101073	2.4	4.4	1.1	4.0	4.5	0.1	0.1
101173	3.1	3.1	0.1	0.1	1.4	0.1	0.1
101273	25.0	5.6	7.0	0.1	2.9	0.1	0.1
101373	6.4	3.5	7.5		2.0	0.1	0.1
101473	2.0	5.2	0.1	4.5	2.6	1.5	0.1
101573	7.0	4.0	3.0	2.0	1.4	0.1	0.1
101673	5.8	0.1	5.0	8.0	1.5	0.2	0.1
101773	6.0	25.0	4.0	4.5	0.6	0.2	0.1
101873	10.0	15.0	0.2	0.1	2.1	0.2	0.1
101973	12.0	13.0	4.5	19.0	2.2	0.2	0.1
102073	8.2	21.0	6.5	3.0	1.9	0.1	0.1
102173	5.0	1.9	8.1	5.0	3.3	0.1	0.1
102273	3.1	4.2	3.0	2.0	1.6	0.1	0.1
102373	4.3	3.0	11.0	6.8	1.0	0.1	0.1
102473	8.9	3.9	0.5	4.5	1.9	0.1	0.1
102573	2.0	3.8	4.0	50.0	1.4	0.1	0.1
102673	3.6	4.0	1.5	17.0	1.2	0.1	0.1
50 PERCENT	6.2	4.0	3.2	4.0	1.9	0.1	0.1
10 PERCENT	13.8	17.4	7.7	18.2	4.8	0.5	0.1

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100273	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100373	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100473	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100573	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100673	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100773	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100873	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100973	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101073	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101173	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101273	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101373	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101473	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101573	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101673	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101773	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101873	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101973	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102073	0.5	0.1	0.3	0.1	0.1	0.1	0.1	0.1
102173	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102273	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102373	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102473	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102573	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102673	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
50 PERCENT	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 PERCENT	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT
100273	328	150	174	112	192	8.5	2.5
100373	530	54	186	114	114	11.5	4.5
100473	361	138	190	97	62	8.5	2.3
100573	324	204	184	220	222	6.0	2.5
100673	348	214	198	540	180	12.5	1.7
100773	130	82	96		96	7.0	0.4
100873	310	162	154	60	178	178.0	2.8
100973	416	122	142	132	62	13.0	2.7
101073	98	120	152	117	314	40.0	0.6
101173	246	246	190	275	76	10.0	2.0
101273	532	216	172	1,490	124	6.9	2.0
101373	376	134	168		76	36.0	1.9
101473	198	168	150	166	80	36.0	2.1
101573	342	196	96	140	90	16.0	0.9
101673	222	70	210	122	140	60.0	1.9
101773	288	250	210	178	110	14.0	0.7
101873	360	228	410	860	122	11.0	1.2
101973	392	274	210	1,112	114	16.0	2.1
102073	258	410	232	352	82	36.0	2.0
102173	164	174	152	146	176	28.0	1.7
102273	200	96	162	113	102	23.0	0.3
102373	158	176	416	180	76	28.0	0.3
102473	232	134	116	440	96	32.0	0.2
102573	250	220	292	1,110	90	41.0	1.2
102673	182	300	158	488	72	64.0	2.3
50 PERCENT	288	174	174	178	102	16.0	1.9
10 PERCENT	462	284	339	1,111	204	61.6	2.7

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT
100273	13	4.3	38.0	3.6	7.1	2.9
100373	20	4.4	33.0	5.8	13.2	5.4
100473	14	2.9	21.7	5.5	14.0	5.9
100573	13	2.3	24.0	5.1	5.8	4.3
100673	26	1.1	12.0	3.8	1.6	1.5
100773	33	0.9	9.7	1.6	2.4	1.7
100873	30	2.6	19.0	6.0	7.0	1.3
100973	52	3.7	39.0	4.7	6.3	3.9
101073	18	18.0	13.6	3.6	8.0	4.0
101173	40	3.0	15.0	12.5	15.0	4.2
101273	17	2.0	14.0	10.0	12.0	4.0
101373	25	1.7	13.0	2.4	3.3	2.5
101473	24	2.0	20.0	3.4	9.0	7.8
101573	21	1.7	32.0	3.5	2.6	1.6
101673	28	2.1	25.0	8.8	9.2	4.8
101773	14	0.5	28.0	0.0	4.0	2.4
101873	14	0.9	20.0	3.4	4.6	1.6
101973	24	3.4	20.0	3.0	24.0	7.8
102073	25	1.7	14.0	2.2	3.0	5.0
102173	35	3.0	18.0	48.0	10.0	5.0
102273	23	2.3	12.5	10.5	2.5	1.3
102373	14	2.3	7.3	5.0	1.7	0.8
102473	12	1.8	14.0	20.0	1.6	0.6
102573	28	2.5	29.5	14.2	5.8	2.5
102673	35	2.4	19.5	9.2	6.8	3.9
50 PERCENT	24	2.3	19.5	5.0	6.3	3.9
10 PERCENT	37	4.3	35.0	16.5	14.4	6.7

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	NP + SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 32 H.P.O. - A.S. MIXED LIQUOR	NP + SE CONVENTIONAL A.S. PROCESS 44 CONVENTIONAL A.S RECYCLE SLUDGE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 50 H.P.O. - A.S. WASTE SLUDGE
100273	52	8.0	5,301	5,220	19,180	24,760
100373	41	3.6	4,847	5,561	13,002	16,226
100473	26	3.9	4,721	5,641	13,050	25,410
100573	24	4.3	4,919	5,489	13,760	29,570
100673	37	3.0	5,198	5,631	11,416	26,010
100773	24	3.6	4,409	5,580	9,582	25,292
100873	25	2.6	6,614	5,494	11,138	26,088
100973	28	7.2	5,083	5,464	10,640	27,114
101073	38	7.5	4,644	5,834	14,460	25,720
101173	34	5.0	4,412	5,421	13,072	24,874
101273	42	6.0	4,113	5,497	12,850	25,788
101373	30	4.0	3,771	5,286	11,794	26,420
101473	50	6.6	3,927	5,298	8,232	29,708
101573	31	4.7	4,514	5,798	9,712	25,992
101673	47	8.8	4,410	5,921	8,574	28,044
101773	32	2.6	3,341	6,237	9,998	29,040
101873	27	4.0	3,539	5,333	8,874	27,674
101973	36	5.0	3,070	5,652	8,468	26,782
102073	30	4.0	3,540	5,796	8,978	27,048
102173	36	6.0	3,804	5,641	9,166	29,188
102273	31	5.0	4,119	5,720	10,016	30,520
102373	21	4.3	3,519	5,881	7,770	26,882
102473	24	3.0	3,245	6,241	8,438	28,600
102573	31	4.3	3,497	5,795	10,334	28,218
102673	27	9.2	3,642	6,403	9,576	29,422
50 PERCENT	31	4.3	4,119	5,641	10,016	26,882
10 PERCENT	48	8.3	5,239	6,239	14,040	29,625

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	135.0	90	97	76	67	4.4	0.7
100373	120.0	98	115	78	47	4.7	0.3
100473	118.0	46	70	58	50	4.2	0.4
100573	95.0	98	95	83	47	4.7	0.4
100673	75.0	63	62	57	50	4.4	0.4
100773	61.0	36	64		50	4.3	0.4
100873	65.0	57	60	58	55	3.9	0.5
100973	14.0	88	100	80	64	4.4	0.3
101073	78.0	110	90	95	110	6.9	1.1
101173	97.0	62	75	60	41	5.1	0.4
101273	9.0	53	110	60	72	3.3	1.2
101373	130.0	79	130		83	10.2	0.3
101473	80.0	40	55	70	50	8.1	0.3
101573	110.0	77	120	68	68	6.8	0.3
101673	110.0	48	101	110	67	6.7	0.3
101773	115.0	82	89	100	70	6.3	0.3
101873	110.0	80	76	48	67	6.3	0.2
101973	115.0	100	105	34	64	10.9	0.3
102073	110.0	96	110	85	60	10.7	0.9
102173	70.0	78	72	78	65	11.4	0.7
102273	105.0	75	105	85	50	11.1	0.8
102373	95.0	85	115	75	60	12.9	0.4
102473	60.0	66	63	68	55	14.4	0.4
102573	110.0	125	100	94	66	21.8	0.3
102673	100.0	70	90	115	73	29.2	0.2
50 PERCENT	100.0	78	95	76	64	6.7	0.4
10 PERCENT	124.0	104	117	106	77	17.4	1.0

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	9.1	2.2	8.6	0.8	2.8	0.5	16.6	2.6
100373	10.8	1.7	4.3	0.9	3.5	0.6	9.5	1.4
100473	8.9	1.3	4.0	2.3	7.1	1.0	6.4	1.6
100573	9.9	1.2	3.8	1.4	9.2	0.7	6.8	1.7
100673	12.6	0.8	5.7	1.9	5.1	0.5	7.7	1.6
100773	15.2	0.8	5.1	0.9	7.8	0.7	8.4	1.0
100873	10.0	0.7	3.8	1.1	7.2	0.7	7.8	1.6
100973	11.3	0.8	4.7	0.9	4.8	0.5	4.4	2.1
101073	11.4	1.6	5.0	1.9	5.8	1.5	13.4	16.5
101173	11.2	0.9	4.8	2.5	4.2	0.7	11.0	6.1
101273	9.3	1.1	8.3	4.8	4.1	1.2	12.0	4.0
101373	9.9	0.4	6.0	1.9	6.9	1.0	11.9	3.4
101473	8.6	0.4	3.9	1.1	4.7	0.6	10.3	1.8
101573	10.6	0.4	2.8	1.4	5.4	0.5	14.5	1.9
101673	11.9	0.5	4.1	2.0	2.5	0.9	11.3	2.4
101773	14.0	0.7	3.9	1.9	4.8	0.9	7.4	2.9
101873	11.9	0.4	3.7	3.2	6.2	0.9	12.6	2.7
101973	9.2	0.6	6.0	1.4	2.3	0.6	17.9	3.3
102073	12.6	0.7	6.2	3.2	9.5	2.8	6.8	3.6
102173	8.9	0.7	5.1	3.0	4.8	1.9	17.2	3.8
102273	8.4	0.5	3.9	4.6	5.3	1.1	15.2	4.7
102373	9.6	0.6	2.9	4.3	4.6	0.5	5.8	2.7
102473	7.4	0.6	5.4	4.2	3.7	0.6	10.8	2.4
102573	6.6	0.6	7.3	4.9	3.8	1.4	13.8	4.1
102673	6.8	1.0	8.0	2.8	6.4	1.0	18.7	3.0
50 PERCENT	9.9	0.7	4.8	1.9	5.1	0.7	11.0	2.7
10 PERCENT	12.6	1.6	8.1	4.7	9.3	1.7	17.5	5.3

COLOR PLATINUM-COBALT UNITS

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273	60	40	40	40	40	15.0	0.0
100373	60	40	40	40	35	22.0	0.0
100473	40	30	35	30	25		0.0
100573	35	30	35	30	30	12.0	0.0
100673	40	45	40	40		15.0	0.0
100773	40	40	40		35	30.0	0.0
100873	55	40	50	43	25	7.0	0.0
100973	50	45	40	45	35	20.0	0.0
101073	150	55	40	40	40	15.0	0.0
101173	40	30	30	30	25	15.0	0.0
101273	30	30	30	30	20	15.0	0.0
101373	30	28	30		20	15.0	0.0
101473	30	35	40	38	30	18.0	0.0
101573	40	30	30	30	35	10.0	0.0
101673	40	40	30	35	30	10.0	0.0
101773	40	40	40	40	40	10.0	0.0
101873	50	55	40	20	30	15.0	0.0
101973	30	35	30	60	38	10.0	0.0
102073	40	30	40	40	35	5.0	2.0
102173	40	40	40	60	38	8.0	0.0
102273	40	35	35	45	35	15.0	0.0
102373	35	40	40	40	30	15.0	0.0
102473	45	40	42	60	50	10.0	0.0
102573	50	45	50	40	40	20.0	0.0
102673	80	50	60	40	45	20.0	0.0
50 PERCENT	40	40	40	40	35	15.0	0.0
10 PERCENT	68	52	50	60	43	21.0	0.0

COLOR PLATINUM-COBALT UNITS

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	15.0	0.0	5.0	0.0	0.0	0.0	1.0	0.0
100373	30.0	0.0	5.0	0.0	5.0	0.0	10.0	0.0
100473	15.0	0.0	10.0	0.0	15.0	0.0	5.0	0.0
100573	17.0	0.0	5.0	1.0	5.0	0.0	15.0	3.0
100673	20.0	2.0	10.0	0.0	0.0	0.0	2.0	2.0
100773	20.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0
100873	0.0	0.0	4.0	0.0	3.0	0.0	0.0	0.0
100973	10.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
101073	15.0	15.0	10.0	0.0	3.0	0.0	10.0	3.0
101173	15.0	0.0	10.0	5.0	10.0	0.0	5.0	0.0
101273	10.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
101373	15.0	0.0	6.0	0.0	3.0	1.6	5.0	1.0
101473	10.0	0.0	10.0	2.0	5.0	5.0	10.0	2.0
101573	10.0	0.0	3.0	0.0	0.0	0.0	3.0	0.0
101673	10.0	0.0	5.0	0.0	0.0	0.0	3.0	0.0
101773	7.0	0.0	5.0	4.4	0.0	7.0	0.0	0.0
101873	15.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
101973	10.0	0.0	5.0	2.0	10.0	2.0	5.0	2.0
102073	5.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0
102173	10.0	0.0	10.0	25.0	0.0	0.0	2.0	0.0
102273	10.0	0.0	10.0	5.0	0.0	0.0	10.0	2.0
102373	10.0	5.0	10.0	5.0	5.0	0.0	10.0	0.0
102473	15.0	0.0	20.0	20.0	5.0	0.0	2.0	0.0
102573	10.0	0.0	10.0	5.0	2.0	0.0	10.0	0.0
102673	20.0	0.0	10.0	5.0	5.0	0.0	15.0	0.0
50 PERCENT	15.0	0.0	5.0	0.0	3.0	0.0	5.0	0.0
10 PERCENT	20.0	3.2	10.0	11.0	10.0	3.2	12.0	2.4

CONDUCTIVITY MICROMHOS AT 25 DEGREES C

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100873	3,600	3,800	3,800	3,800	4,400	4,400	4,400
101073	5,000	4,600	5,400	5,500	5,250	5,250	5,000
101173	3,400	2,900	3,000	3,100	3,700	3,700	3,750
101473	5,600	2,500	2,900	2,000	3,000	2,900	2,800
101973	3,750	1,800	2,300	2,500	2,600	2,500	2,400
50 PERCENT	5,000	2,900	3,000	3,100	3,700	3,700	3,750
10 PERCENT	0	0	0	0	0	0	0

CONDUCTIVITY MICROMHOS AT 25 DEGREES C

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100873	4,600	4,500	4,500	4,600	4,400	4,300	4,250	4,300
101073	4,700	4,700	5,000	4,750	4,000	6,000	4,100	
101173	3,600	3,500	3,000	4,000	3,500	3,900	3,500	4,000
101473	3,000	3,000	3,000	2,650	2,800	2,750	2,800	2,800
101973	2,500	2,500	2,900	2,600	2,500	2,400		3,000
50 PERCENT	3,600	3,500	3,000	4,000	3,500	3,900	3,800	3,500
10 PERCENT	0	0	0	0	0	0	0	0

TOTAL DISSOLVED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100873	1,496	2,412	1,827	1,783	2,133	2,625	2,211
101073	2,837	2,312	2,946	3,052	2,956	2,783	3,135
101173	3,580	1,090	1,641	1,797	2,138	2,332	2,458
101473	4,280	1,512	1,631	1,166	1,862	1,867	1,857
101973	2,596	922	1,546	1,756	1,795	1,762	1,456
50 PERCENT	2,837	1,512	1,641	1,783	2,133	2,332	2,211
10 PERCENT	0	0	0	0	0	0	0

TOTAL DISSOLVED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100873	2,641	2,641	2,383	2,378	2,734	2,503	2,612	2,202
101073	2,545	2,545	3,180	2,628	3,397	3,318	2,926	7,054
101173	2,128	2,100	1,614	2,482	2,244	2,271	2,059	2,527
101473	1,814	1,913	2,090	1,698	1,706	1,774	1,693	2,199
101973	1,694	1,631	2,047	1,667	1,694	1,682	1,533	2,116
50 PERCENT	2,128	2,100	2,090	2,378	2,244	2,271	2,059	2,202
10 PERCENT	0	0	0	0	0	0	0	0

TOTAL SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100673	1,580	2,480	1,911	1,871	2,249	2,631	2,214
101073	2,931	2,510	3,156	3,222	3,270	3,823	3,136
101173	3,760	1,180	1,759	1,901	2,228	2,342	2,460
101473	4,476	1,597	1,739	1,332	2,032	1,884	1,859
101973	2,796	1,012	1,666	2,022	1,925	1,778	1,458
50 PERCENT	2,931	1,597	1,759	1,901	2,228	2,342	2,214
10 PERCENT	0	0	0	0	0	0	0

TOTAL SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100873	2,671	2,671	2,402	2,384	2,741	2,504	2,637	2,205
101073	2,563	2,563	3,194	2,632	3,405	3,322	2,964	7,061
101173	2,168	2,103	1,629	2,494	2,259	2,275	2,093	2,532
101473	1,838	1,915	2,110	1,701	1,715	1,782	1,743	2,206
101973	1,716	1,634	2,067	1,670	1,718	1,690	1,571	2,121
50 PERCENT	2,168	2,103	2,110	2,384	2,259	2,275	2,093	2,206
10 PERCENT	0	0	0	[illegible]	0	0	0	0

TOTAL VOLATILE SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100873	292	507	419	368	419	712	716
101073	450	352	60	108	184	484	612
101173	702	207	341	373	375	493	423
101473	434	606	283	434	446	586	361
101973	614	248	360	546	527	427	185
50 PERCENT	614	352	341	373	419	493	423
10 PERCENT	0	0	0	0	0	0	0

TOTAL VOLATILE SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100873	549	549	342	306	397	562	475	482
101073	422	422	1,532	86	871	1,042	515	877
101173	424	258	404	471	242	490	442	399
101473	293	364	495	277	97	827	108	451
101973	358	310	592	311	358	286	257	314
50 PERCENT	422	364	495	306	358	562	442	451
10 PERCENT	0	0	0	0	0	0	0	0

VOLATILE SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	3 RAW SEWAGE PLUS RECYCLE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT
100273						5.5	
100373						6.5	
100473						0.5	
100573						5.6	
100673						11.8	
100773						7.0	
100873	54	38	50	32	56	4.0	1.0
100973						12.0	
101073	78	154	140	176	176	30.4	0.8
101173	134	50	74	68	60	5.7	0.1
101273						3.2	
101373						33.0	
101473	168	76	102	144	150	16.7	1.8
101573						10.7	
101673						60.0	
101773						14.0	
101873						11.0	
101973	170	80		250	150	16.0	1.8
102073						30.0	
102173						28.0	
102273						22.0	
102373						28.0	
102473						30.0	
102573						38.0	
102673						58.0	
50 PERCENT	134	76	88	144	150	14.0	1.0
10 PERCENT	0	0	0	0	0	46.0	0.0

VOLATILE SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT
100273	8.0					
100373	14.7					
100473	4.0					
100573	13.3					
100673	24.0					
100773	32.0					
100873	16.0	0.6	9.0	1.2	3.4	0.5
100973	44.0					
101073	16.0	16.0	13.6	3.6	7.2	4.0
101173	22.0	1.0	2.0	5.0	2.0	2.0
101273	8.7					
101373	21.5					
101473	18.5	1.6	16.0	3.0	7.7	7.3
101573	13.3					
101673	28.0					
101773	14.0					
101873	14.0					
101973	19.0	0.4	16.0	2.6	19.0	7.3
102073	24.0					
102173	35.0					
102273	22.5					
102373	13.0					
102473	12.0					
102573	27.5					
102673	29.0					
50 PERCENT	18.5	1.0	13.6	3.0	7.2	4.0
10 PERCENT	33.2	0.0	0.0	0.0	0.0	0.0

VOLATILE SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT	31 CONVENTIONAL A.S MIXED LIQUOR	32 H.P.O. - A.S. MIXED LIQUOR	44 CONVENTIONAL A.S RECYCLE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE
100273			4,153	4,240	15,040	19,340
100373			3,706	4,323	10,052	20,890
100473			3,804	4,586	10,406	20,222
100573				4,410	9,404	20,620
100673			4,091	4,511	9,040	20,778
100773			3,516	4,440	7,628	20,188
100873	10.0	1.0	5,285	4,395	8,912	20,828
100973			4,092	4,437	8,304	22,032
101073	30.0	5.2	3,714	4,769	11,540	19,410
101173	16.0	2.8	3,524	4,352	10,390	19,628
101273			3,274	4,352	10,023	20,230
101373			2,928	4,163	9,332	20,818
101473	40.0	5.8	3,255	4,278	6,488	24,176
101573			3,633	4,683	7,778	20,608
101673			3,590	4,754	6,938	22,240
101773			2,774	4,962	8,292	23,332
101873			2,886	4,252	7,164	21,960
101973	30.0	2.8	2,537	4,462	6,880	21,046
102073			2,914	4,663	7,262	21,448
102173			3,034	4,488	7,394	23,514
102273			3,336	4,594	8,052	24,762
102373			2,752	4,574	6,042	21,006
102473			2,597	4,938	6,480	22,432
102573			2,850	4,621	8,346	22,666
102673			2,913	5,020	7,702	23,102
50 PERCENT	30.0	2.8	3,305	4,488	8,292	21,006
10 PERCENT	0.0	0.0	4,123	4,948	10,860	23,779

24 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
100573	100	100	100	100	100	100	100
100773	100	100	100	100	100	100	100
101073	100	100	100	100	100	100	100
101173	31	100	100	100		100	
101273					100		100
101373	100	100	100	100	100	100	100
101573	100	34	100	100	100	100	100
101773	100	100	100	100	100	100	100
101973	100	100	100	100	100	100	100
102073	100	100	100	100	100	100	100
102273	100	100	100	100	100	100	100
102373	100	100	100	100	100	100	100
102573	100	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100	100

24 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100573	100	100	100	100	100	100
100773	100	100	100	100	100	100
101073	100	100	100	100	100	35
101173	100		100		100	
101273		100		100		100
101373	100	100	100	100	100	100
101573	100	100	100	100	100	100
101773	100	100	100	100	100	100
101973	100	100	100	100	100	100
102073	100	100	100	100	100	100
102273	100	100	100	100	100	100
102373	100	100	100	100	100	100
102573	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100

48 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
100573	100	100	100	100	100	100	100
100773	100	100	100	100	100	100	100
101073	100	100	100	100	100	100	100
101173	31	100	100	100		100	
101273					100		100
101373	100	100	100	100	100	100	100
101573	100	34	100	100	100	100	100
101773	100	100	100	100	100	100	100
101973	100	100	100	100	100	100	100
102073	100	100	100	100	100	100	100
102273	100	100	100	100	100	100	100
102373	100	100	100	100	100	100	100
102573	100	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100	100

48 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100573	100	100	100	100	100	100
100773	100	100	100	100	100	100
101073	100	100	100	100	100	35
101173	100		100		100	
101273		100		100		100
101373	100	100	100	100	100	100
101573	100	100	100	100	100	100
101773	100	100	100	100	100	100
101973	100	100	100	100	100	100
102073	100	100	100	100	100	100
102273	100	100	100	100	100	100
102373	100	100	100	100	100	100
102573	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100

96 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT
100573	100	100	100	100	100	100	100
100773	100	100	100	100	100	100	100
101073	100	100	100	100	100	100	100
101173	31	100	100	100		100	
101273					100		100
101373	100	100	100	100	100	100	100
101573	100	34	100	100	100	100	100
101773	100	100	100	100	100	100	100
101973	100	100	100	100	100	100	100
102073	100	100	100	100	100	100	100
102273	100	100	100	100	100	100	100
102373	100	100	100	100	100	100	100
102573	100	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100	100

96 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100573	100	100	100	100	100	100
100773	100	100	100	100	100	100
101073	100	100	100	100	100	100
101173	100		100		100	
101273		100		100		100
101373	100	100	100	100	100	100
101573	100	100	100	100	100	100
101773	100	100	100	100	100	100
101973	100	100	100	100	100	100
102073	100	100	100	100	100	100
102273	100	100	100	100	100	100
102373	100	100	100	100	100	100
102573	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100

24 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 35 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT
100573	80	100	100	100	100	100	100
100773	100	100	100	100	100	100	100
101073	100	100	100	100	100	100	100
101173	0	0	70	100		100	
101273					100		100
101373	100	100	100	100	100	100	100
101573	100	0	100	100	100	100	100
101773	100	100	100	100	100	100	100
101973	100	100	100	100	100	100	100
102073	100	100	100	100	100	100	100
102273	100	100	100	100	100	100	100
102373	100	100	100	100	100	100	100
102573	100	100	100	100	70	100	100
50 PERCENT	100	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100	100

24 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100573	100	100	100	100	100	100
100773	100	100	100	100	100	100
101073	100	100	100	100	100	0
101173	90		100		100	
101273		100		100		100
101373	100	100	100	100	80	100
101573	100	100	100	100	70	100
101773	100	100	100	100	100	100
101973	100	100	100	100	100	100
102073	100	100	100	100	100	100
102273	100	100	100	100	100	100
102373	100	100	100	100	100	100
102573	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100

48 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
100573	80	100	90	100	100	100	100
100773	100	100	90	100	100	100	100
101073	100	100	70	100	100	100	100
101173	0	0	70	100		100	
101273					100		100
101373	100	100	100	100	100	100	100
101573	100	0	100	100	100	100	100
101773	90	100	100	100	100	100	100
101973	100	100	100	100	80	100	100
102073	100	100	100	100	100	100	100
102273	100	100	100	100	90	100	100
102373	100	100	100	100	80	100	100
102573	100	100	100	100	50	100	100
50 PERCENT	100	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100	100

48 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100573	100	100	100	100	100	100
100773	100	100	100	100	100	100
101073	100	100	100	100	100	0
101173	90		100		100	
101273		100		100		100
101373	100	100	100	100	80	100
101573	100	100	100	100	70	100
101773	100	100	100	100	100	100
101973	100	100	100	100	100	100
102073	100	100	100	100	100	100
102273	100	100	100	100	100	100
102373	100	100	100	100	100	100
102573	100	100	100	100	100	100
50 PERCENT	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100

96 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
100573	80	100	90	100	100	100	100
100773	100	100	90	100	100	100	100
101073	100	100	60	100	100	100	100
101173	0	0	70	100		100	
101273					100		100
101373	100	100	100	100	100	100	100
101573	90	0	90	100	100	100	100
101773	90	100	100	100	100	100	100
101973	100	100	100	100	80	100	100
102073	100	100	100	100	100	100	100
102273	100	100	100	100	80	100	100
102373	90	90	100	100	80	100	100
102573	90	100	100	100	50	100	100
50 PERCENT	95	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100	100

96 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100573	100	100	100	100	100	100
100773	100	100	100	100	100	100
101073	100	100	100	100	100	0
101173	90		100		100	
101273		100		100		100
101373	100	100	100	100	80	90
101573	100	100	100	100	70	100
101773	100	100	100	100	100	60
101973	100	100	100	100	100	100
102073	90	100	100	100	100	100
102273	100	100	100	100	100	50
102373	100	100	100	100	100	100
102573	100	70	100	100	100	90
50 PERCENT	100	100	100	100	100	100
10 PERCENT	100	100	100	100	100	100

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	5 CONVENTIONAL A.S EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT
100573	0.0	0.0	0.6	0	0.0	0	0
100773	0.0	0.0	0.6	0	0.0	0	0
101073	0.0	0.0	0.9	0	0.0	0	0
101173	3.2	0.0	0.9	0		0	
101273					0.0		0
101373	0.0	0.0	0.0	0	0.0	0	0
101573	0.6	2.9	0.6	0	0.0	0	0
101773	0.6	0.0	0.0	0	0.0	0	0
101973	0.0	0.0	0.0	0	0.6	0	0
102073	0.0	0.0	0.0	0	0.0	0	0
102273	0.0	0.0	0.0	0	0.8	0	0
102373	0.6	0.6	0.0	0	0.6	0	0
102573	0.6	0.0	0.0	0	1.0	0	0
50 PERCENT	0.3	0.0	0.0	0	0.0	0	0
10 PERCENT	2.3	2.2	0.9	0	0.9	0	0

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

DATE	NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100573	0.0	0.0	0	0	0.0	0.0
100773	0.0	0.0	0	0	0.0	0.0
101073	0.0	0.0	0	0	0.0	2.9
101173	0.0		0		0.0	
101273		0.0		0		0.0
101373	0.0	0.0	0	0	0.8	0.6
101573	0.0	0.0	0	0	0.9	0.0
101773	0.0	0.0	0	0	0.0	0.9
101973	0.0	0.0	0	0	0.0	0.0
102073	0.6	0.0	0	0	0.0	0.0
102273	0.0	0.0	0	0	0.0	1.0
102373	0.0	0.0	0	0	0.0	0.0
102573	0.0	0.9	0	0	0.0	0.6
50 PERCENT	0.0	0.0	0	0	0.0	0.0
10 PERCENT	0.4	0.6	0	0	0.8	2.3

LINDANE PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.055
101073	0.001
101173	0.001
101473	0.047
101973	0.001
50 PERCENT	0.001
10 PERCENT	0.000

HEPTACHLOR EPOXIDE PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.001
101073	0.001
101173	0.001
101473	0.001
101973	0.001
50 PERCENT	0.001
10 PERCENT	0.000

DDE PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.03
101073	0.04
101173	0.03
101473	0.01
101973	0.03
50 PERCENT	0.03
10 PERCENT	0.00

DDD PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.09
101073	0.07
101173	0.03
101473	0.02
101973	0.03
50 PERCENT	0.03
10 PERCENT	0.00

DDT PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.05
101073	0.05
101173	0.13
101473	0.04
101973	0.05
50 PERCENT	0.05
10 PERCENT	0.00

DIELDRIN PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.011
101073	0.001
101173	0.005
101473	0.031
101973	0.048
50 PERCENT	0.011
10 PERCENT	0.000

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT
100273	0.5	0.36	0.5		0.21	0.17	0.113
100573	0.2	0.41	0.4	0.3	0.10	0.10	0.042
100773	0.3	0.19	0.6		0.21	0.01	0.098
101073	0.1	0.38	0.3	0.4	1.25	0.01	0.095
101173	0.1	1.23	1.1	0.5	0.06	0.06	0.009
101373	0.5	0.16	0.3		0.16	0.18	0.126
101573	0.1	0.07	0.2	0.2	0.19	0.03	0.010
101773	0.4	0.38	0.4	0.3	0.15	0.03	0.010
101973	0.2	0.45	0.5	0.3	0.18	0.03	0.016
102073	0.4	0.22	0.3	0.2	0.19	0.08	0.017
102273	0.8	0.71	0.5	0.4	0.15	0.03	0.010
102373	0.5	0.74	0.8	0.6	0.29	0.06	0.016
102573	0.3	0.38	0.7	1.2	0.26	0.07	0.006
50 PERCENT	0.3	0.38	0.5	0.4	0.19	0.06	0.016
10 PERCENT	0.7	1.04	1.0	1.2	0.86	0.18	0.121

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100273	0.20	0.112	0.09	0.025	0.29	0.028	0.12	0.007
100573	0.02	0.076	0.03	0.009	0.45	0.014	0.09	0.003
100773	0.08	0.043	0.04	0.010	0.42	0.032	0.06	0.005
101073	0.05	0.068	0.05	0.097	0.26	0.118	0.05	0.005
101173	0.02	0.017	0.01	0.012	0.28	0.009	0.09	0.082
101373	0.04	0.016	0.02	0.065	0.01	0.026	0.06	0.007
101573	0.03	0.022	0.02	0.014	0.04	0.012	0.08	0.027
101773	0.03	0.004	0.03	0.013	0.13	0.014	0.08	0.004
101973	0.07	0.013	0.02	0.011	0.03	0.010	0.05	0.018
102073	0.04	0.020	0.04	0.005	0.03	0.007	0.04	0.015
102273	0.04	0.013	0.04	0.011	0.04	0.005	0.12	0.008
102373	0.01	0.003	0.05	0.006	0.03	0.008	0.05	0.006
102573	0.05	0.018	0.04	0.006	0.05	0.008	0.07	0.012
50 PERCENT	0.04	0.018	0.04	0.011	0.05	0.012	0.07	0.007
10 PERCENT	0.15	0.098	0.08	0.084	0.44	0.084	0.12	0.060

ALDRIN PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.001
101073	0.001
101173	0.001
101473	0.001
101973	0.001
50 PERCENT	0.001
10 PERCENT	0.000

CHLORDANE PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.02
101073	0.04
101173	0.03
101473	0.01
101973	0.03
50 PERCENT	0.03
10 PERCENT	0.00

* * * 30390 CONSTITUENT TITLE NOT FOUND

HEPTACHLOR PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.001
101073	0.001
101173	0.001
101473	0.001
101973	0.001
50 PERCENT	0.001
10 PERCENT	0.000

METHOXYCHLOR PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.04
101073	0.04
101173	0.75
101473	0.04
101973	0.15
50 PERCENT	0.04
10 PERCENT	0.00

TOXAPHENE PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.004
101073	0.001
101173	0.001
101473	0.001
101973	0.001
50 PERCENT	0.001
10 PERCENT	0.000

(M A L A T H I O N) + P A R A T H I O N P P B

2 4 H O U R C O M P O S I T E

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.3
101073	0.5
101173	1.1
101473	0.6
101973	0.3
50 PERCENT	0.5
10 PERCENT	0.0

C A R B A M A T E S (S I L V E X) P P B

2 4 H O U R C O M P O S I T E

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.07
101073	0.13
101173	0.26
101473	0.09
101973	0.06
50 PERCENT	0.09
10 PERCENT	0.00

2-4-D PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100873	0.25
101073	0.07
101173	0.11
101473	0.36
101973	0.08
50 PERCENT	0.11
10 PERCENT	0.00

POLYCHLORINATED BIPHENYLS PPB

24 HOUR COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS 33 SOUTHEAST RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 34 NORTHPOINT RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE	NP + SE NON-SPECIFIC PROCESS 3 RAW SEWAGE PLUS RECYCLE	NP + SE NON-SPECIFIC PROCESS 4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT
100273	0.14	0.11	0.14		0.08	0.028	0.021
100573	0.06	0.11	0.14	0.11	0.02	0.013	0.009
100773	0.12	0.06	0.35		0.06	0.003	0.034
101073	0.04	0.11	0.05	0.13	0.57	0.003	0.019
101173	0.03	0.11	0.15	0.13	0.01	0.008	0.002
101373	0.22	0.03	0.08		0.04	0.040	0.024
101573	0.04	0.02	0.06	0.05	0.05	0.007	0.003
101773	0.12	0.10	0.11	0.08	0.04	0.007	0.004
101973	0.05	0.12	0.14	0.09	0.06	0.010	0.007
102073	0.12	0.05	0.11	0.07	0.05	0.023	0.004
102273	0.55	0.20	0.22	0.17	0.04	0.008	0.003
102373	0.28	0.26	0.36	0.27	0.10	0.025	0.005
102573	0.10	0.07	0.23	0.43	0.07	0.026	0.002
50 PERCENT	0.12	0.11	0.14	0.12	0.05	0.010	0.005
10 PERCENT	0.44	0.23	0.36	0.41	0.38	0.035	0.030

POLYCHLORINATED BIPHENYLS PPB

24 HOUR COMPOSITE

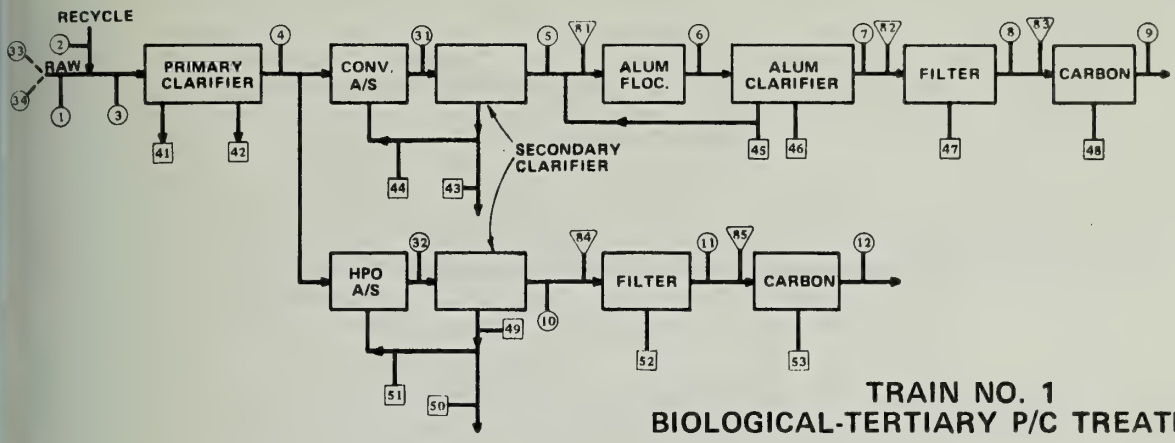
DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	10 H.P.O. - A.S. EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	0.051	0.015	0.024	0.004	0.026	0.060	0.027	0.002
100573	0.005	0.019	0.005	0.003	0.076	0.003	0.026	0.100
100773	0.021	0.024	0.010	0.004	0.114	0.010	0.013	0.002
101073	0.013	0.019	0.014	0.018	0.067	0.020	0.012	0.002
101173	0.005	0.004	0.003	0.005	0.073	0.004	0.006	0.020
101373	0.010	0.004	0.004	0.019	0.004	0.006	0.019	0.003
101573	0.007	0.006	0.004	0.004	0.017	0.003	0.026	0.008
101773	0.006	0.002	0.007	0.004	0.037	0.004	0.022	0.002
101973	0.021	0.004	0.006	0.004	0.007	0.004	0.016	0.004
102073	0.014	0.006	0.011	0.002	0.009	0.003	0.013	0.005
102273	0.014	0.004	0.011	0.003	0.016	0.003	0.027	0.003
102373	0.004	0.001	0.019	0.002	0.048	0.003	0.023	0.002
102573	0.024	0.004	0.013	0.002	0.019	0.003	0.024	0.004
50 PERCENT	0.013	0.004	0.010	0.004	0.026	0.004	0.022	0.003
10 PERCENT	0.040	0.022	0.022	0.019	0.099	0.044	0.027	0.068

APPENDIX K

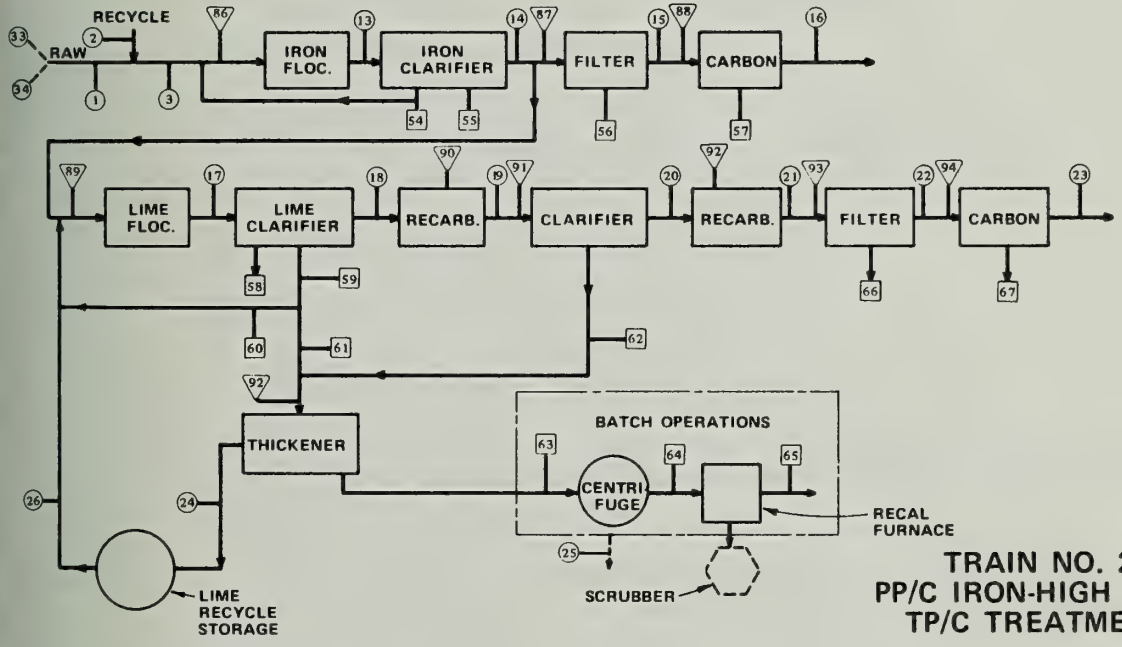
NORTH POINT - SOUTHEAST TEST DATA

SLUDGE DATA

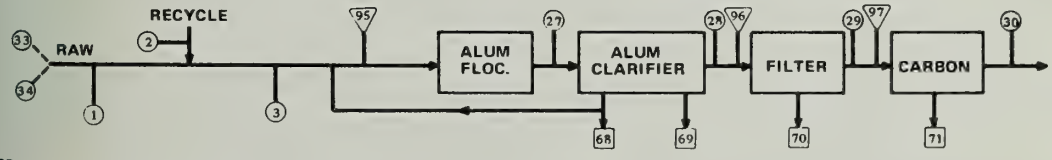
	Page
Aluminum	1
Arsenic	2
Boron	3
Cadmium	4
Total Chromium	5
Copper	6
Cyanide	7
Total Iron	8
Lead	9
Magnesium	10
Manganese	11
Mercury	12
Molybdenum	13
Nickel	14
Selenium	15
Silver	16
Zinc	17
Hexavalent Chromium	18
Ferrous Iron	19
Gross Alpha	20
Total Suspended Solids	21
Total Dissolved Solids	22
Total Solids	23
Total Volatile Solids	24
Volatile Suspended Solids	25
Total Chlorinated Hydrocarbons	26
Polychlorinated Biphenyls	27
Sludge Volume Index	28
Sludge Thickening Test	29



TRAIN NO. 1
BIOLOGICAL-TERTIARY P/C TREATMENT



TRAIN NO. 2
PP/C IRON-HIGH LIME TP/C TREATMENT



TRAIN NO. 3
TERTIARY PHYSICAL/CHEMICAL TREATMENT

NOTES:

- ① TO ㉞ LIQUID STREAM DATA POINTS
- 41 TO 71 SOLID OR WASTE DATA POINTS
- ▽81 TO ▽97 CHEMICAL ADDITION POINTS
- ---- INDICATES NP + SE
- ㉝ SE RAW
- ㉞ NP RAW

SOUTHEAST PILOT PLANT
PROCESS TRAINS AND DATA COLLECTION POINTS

KEY

DATA REVIEW (RVEW) AND CORRELATION COEFFICIENT (CORL) OUTPUT

SE — Phase of Pilot Plant Study during which waste treatment alternatives were investigated for Southeast sewage.

NP+ SE — Phase of Pilot Plant during which waste treatment alternatives were investigated for North Point (75%) plus Southeast (25%) combined sewage.

Date — Date of Sample collection

Non-Specific Process - Sample stations not associated with a particular treatment process. Normally raw sewage or preliminary treated effluent.

A.S. — Activated Sludge Process

H.P.O. — High Purity Oxygen Process

50 Percent - Median value of data set

10 Percent - Value at which 10 percent of the ordered data values are larger and 90 percent of the data values are smaller.

Range (R) - Constituent range of middle 80% of data. Used in calculation of the coefficient of reliability.

Displacement (d) - Constituent displacement from 10 percentile number and given standard.

Standard(s) - Regulatory Standard to which data is compared.

Coefficient of Reliability (Cr) - Arbitrary index to measure efficiency of removal for given constituent and treatment process. Computed from $CR = \frac{1}{R} \times d$. Has range of $-\infty$ to $+\infty$. Negative values indicate noncompliance with standard.

ALUMINUM MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	20	2,300	65,000	18,000	9,300	7,100	18,000
101573	380,000	50,000	90,000	36,000	21,000	14,000	44,000
102273	604,000	54,000	248,000	128,000	15,000	66,000	92,000
50 PERCENT	380,000	50,000	90,000	36,000	15,000	14,000	44,000
10 PERCENT	0	0	0	0	0	0	0

ARSENIC MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	50	28	65	29	4.0	45	26
101573	63	55	29	47	4.0	34	26
102273	110	65	34	56	6.0	62	23
50 PERCENT	63	55	34	47	4.0	45	26
10 PERCENT	0	0	0	0	0.0	0	0

BORON MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100673	790	720	580	700	780	780	700
102273	1,060	610	500	500	390	1,500	500
50 PERCENT	925	665	540	600	585	1,140	600
10 PERCENT	0	0	0	0	0	0	0

CADMIUM MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100673	14	100	15.0	6.0	20	20	20
101573	760	330	6.7	200.0	22	68	39
102273	1,100	210	19.0	190.0	24	43	38
50 PERCENT	760	210	15.0	190.0	22	43	38
10 PERCENT	0	0	0.0	0.0	0	0	0

TOTAL CHROMIUM MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100673	16,000	54,000	2,000	13,000	350	350	4,100
101573	220,000	60,000	2,200	52,000	830	10,200	5,600
102273	308,000	49,000	1,400	27,000	1,500	1,300	2,000
50 PERCENT	220,000	54,000	2,000	27,000	830	1,300	4,100
10 PERCENT	0	0	0	0	0	0	0

COPPER MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100673	210	1,500	120	2,400	100	100	360
101573	28,000	8,300	125	5,000	185	1,800	1,100
102273	41,000	6,000	520	10,000	1,000	340	1,200
50 PERCENT	28,000	6,000	125	5,000	185	340	1,100
10 PERCENT	0	0	0	0	0	0	0

CYANIDE MG/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	0.04	0.02	0.01	0.02	0.03	0.09	0.01
101573	0.01	0.01	0.01	0.01	0.07	0.01	0.01
102273	0.01	0.01	0.01	0.01	0.02	0.02	0.02
50 PERCENT	0.01	0.01	0.01	0.01	0.03	0.02	0.01
10 PERCENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL IRON MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	10.0	190	1,600	9,600	25,000	25,000	1,400
101573	320000.0	120,000	10,000	120,000	59,000	350,000	19,000
102273	800000.0	160,000	22,000	304,000	328,000	156,000	41,200
50 PERCENT	319999.9	120,000	10,000	120,000	59,000	156,000	19,000
10 PERCENT	0.0	0	0	0	0	0	0

LEAD MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	10.0	24	110	880	980	380	130
101573	3700.0	4,700	170	3,500	520	1,600	740
102273	40320.0	80,320	11,200	76,400	16,800	20,800	31,600
50 PERCENT	3700.0	4,700	170	3,500	980	1,600	740
10 PERCENT	0.0	0	0	0	0	0	0

MAGNESIUM MG/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	1,600	1,400	1,400	1,400	1,300	5,700	1,400
101573	72	300	250	290	2,200	250	250
102273	320,000	80	100	156	64	6,880	120
50 PERCENT	1,600	300	250	290	1,300	5,700	250
10 PERCENT	0	0	0	0	0	0	0

MANGANESE MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	360	190	260	960	410	5,300	76
101573	2,920	1,160	2,780	1,120	8,000	880	280
102273	7,000	1,800	740	2,200	1,000	20,000	460
50 PERCENT	2,920	1,160	740	1,120	1,000	5,300	280
10 PERCENT	0	0	0	0	0	0	0

MERCURY MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100673	860.0	1,040	1.0	860	2.0	0.0	2.0
101573	24.0	12	4.0	11	1.2	1.0	2.2
102273	7.6	91	10.0	53	8.9	2.0	9.2
50 PERCENT	24.0	91	4.0	53	8.9	1.0	9.2
10 PERCENT	0.0	0	0.0	0	0.0	0.0	0.0

MOLYBDENUM MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	12	10.0	10.0	10.0	10.0	10.0	10.0
102273	454	52.0	2.0	76.0	2.0	80.0	2.0
50 PERCENT	233	31.0	6.0	43.0	6.0	45.0	6.0
10 PERCENT	0	0.0	0.0	0.0	0.0	0.0	0.0

NICKEL MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	78	430	140	900	240	470	72
101573	4,440	1,680	82	480	560	310	146
102273	8,800	1,100	260	1,600	280	1,700	240
50 PERCENT	4,440	1,100	140	900	280	470	146
10 PERCENT	0	0	0	0	0	0	0

SELENIUM MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102273	6.0	5.0	5.0	22.0	20.0	5.0	20.0
50 PERCENT	5.5	5.0	5.0	13.5	12.5	5.0	12.5
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SILVER MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	210	960	110	1,500	1,200	150	280
101573	4,600	1,500	37	920	66	380	260
102273	25,000	200	420	300	660	270	800
50 PERCENT	4,600	960	110	920	660	270	280
10 PERCENT	0	0	0	0	0	0	0

ZINC MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SL NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	150	14,000	4,400	19,000	7,000	2,900	1,500
101573	99,000	37,000	1,500	19,000	4,000	7,000	4,300
102273	170,000	26,000	6,400	40,000	4,900	7,200	7,200
50 PERCENT	99,000	26,000	4,400	19,000	4,900	7,000	4,300
10 PERCENT	0	0	0	0	0	0	0

HEXAVALENT CHROMIUM MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SL NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	5.0	5.0	5.0	5.0	5.0	5.0	5.0
101573	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102273	5.0	5.0	5.0	5.0	5.0	5.0	5.0
50 PERCENT	5.0	5.0	5.0	5.0	5.0	5.0	5.0
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FERROUS IRON MICRO-G/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100673	359	25	20	38	21	20	20
101573	543	26	20	104	20	20	20
102273	530	60	20	180	20	20	57
50 PERCENT	530	26	20	104	20	20	20
10 PERCENT	0	0	0	0	0	0	0

GROSS ALPHA PC/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	4.0	7.0	27.0	6.0	6.0	6.0	5.0
101573	6.0	6.0	6.0	6.0	6.0	6.0	6.0
102273	7.0	6.0	14.0	5.0	6.0	7.0	6.0
50 PERCENT	6.0	6.0	14.0	6.0	6.0	6.0	6.0
10 PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL SUSPENDED SOLIDS MG/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	37,190	19,696	3,761	10,640	30,248	30,248	5,936
101573	96,071	18,043	1,546	14,787	4,926	21,354	3,190
102273	156,968	6,652	1,975	19,491	1,610	28,894	2,332
102673	16,486	9,833	1,643	28,168	2,368	38,034	1,148
50 PERCENT	66,631	13,938	1,809	17,139	3,647	29,571	2,761
10 PERCENT	0	0	0	0	0	0	0

TOTAL DISSOLVED SOLIDS MG/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	39,985	2,946	2,658	1,980	3,047	3,047	2,872
101573	5,532	2,531	2,493	2,894	2,996	2,393	2,468
102273		2,108	1,680	1,578	2,004	1,344	1,827
102673	2,255	2,185	2,311	2,285	2,359	1,688	2,663
50 PERCENT	5,532	2,358	2,402	2,133	2,678	2,041	2,566
10 PERCENT	0	0	0	0	0	0	0

TOTAL SOLIDS MG/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	77,175	22,642	6,419	15,548	8,816	33,295	8,808
101573	101,603	20,574	4,039	17,681	7,922	23,747	5,658
102273	157,844	8,760	3,655	21,069	5,614	30,238	4,159
102673	30,741	12,013	3,954	30,453	4,727	39,722	3,811
50 PERCENT	89,389	16,294	3,997	19,375	6,325	31,767	4,909
10 PERCENT	0	0	0	0	0	0	0

TOTAL VOLATILE SOLIDS MG/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	51,987	17,848	1,777	11,096	5,487	5,487	4,760
101573	67,260	14,925	1,149	12,398	3,543	3,744	2,610
102273	106,750	5,495	1,193	15,628	1,137	3,835	1,767
102673	21,149	7,737	1,280	21,395	1,817	4,791	1,313
50 PERCENT	59,624	11,331	1,237	14,013	2,680	4,313	2,189
10 PERCENT	0	0	0	0	0	0	0

VOLATILE SUSPENDED SOLIDS MG/L

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	20,280	15,526	1,500	8,304	3,008	5,160	3,930
101573	65,127	14,165	592	11,445	2,824	3,308	2,291
102273	109,502	5,191	765	15,580	751	3,557	1,411
102673	10,000	7,637	705	20,426	1,316	4,142	757
50 PERCENT	42,704	10,901	735	13,513	2,070	3,850	1,851
10 PERCENT	0	0	0	0	0	0	0

TOTAL CHLORINATED HYDROCARBONS PPB

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	80	5.9	0.5	4.2	1.3	0.7	6.9
101573	119	12.4	0.5	11.2	0.3	4.2	4.5
102273	72	4.7	1.0	11.2	1.7	11.3	34.0
50 PERCENT	80	5.9	0.5	11.2	1.3	4.2	6.9
10 PERCENT	0	0.0	0.0	0.0	0.0	0.0	0.0

POLYCHLORINATED BIPHENYLS PPB

7 DAY COMPOSITE

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	42 PRIMARY CLARIFIER SLUDGE	44 CONVENTIONAL A.S RECYCLE SLUDGE	46 CHEMICAL CLARIFIER WASTE SLUDGE	50 H.P.O. - A.S. WASTE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100873	23	1.8	0.1	1.4	0.2	0.2	3.2
101573	41	4.3	0.1	3.6	0.7	1.1	1.3
102273	48	1.8	0.4	4.1	1.0	7.9	31.5
50 PERCENT	41	1.8	0.1	3.6	0.7	1.1	3.2
10 PERCENT	0	0.0	0.0	0.0	0.0	0.0	0.0

SLUDGE VOLUME INDEX VOL ML/1 GRAM

24 HOUR COMPOSITE

DATE	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	31 CONVENTIONAL A.S MIXED LIQUOR	32 H.P.O. - A.S. MIXED LIQUOR
100273	66	52
100373	58	50
100473	102	44
100573	73	38
100673	75	38
100773	125	47
100873	50	47
100973	75	49
101073	110	31
101173	181	33
101273	226	36
101373	125	74
101473	178	40
101573	89	34
101673	95	34
101773	147	40
101873	138	52
101973	156	41
102073	560	38
102173	87	34
102273	70	35
102373	65	31
102473	55	37
102573	49	40
102673	41	31
50 PERCENT	89	38
10 PERCENT	199	52

SLUDGE THICKENING TEST ML/L/HOUR

24 HOUR COMPOSITE

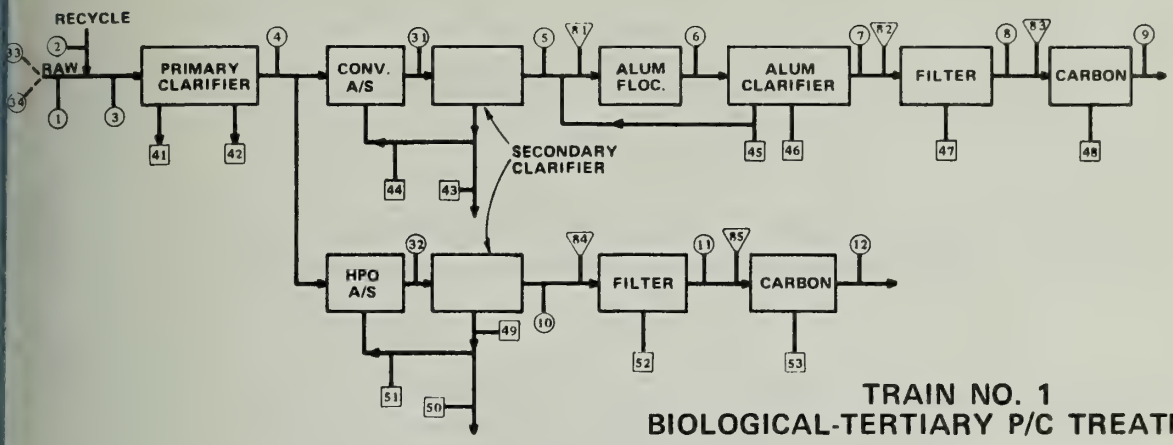
DATE	NP + SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 32 H.P.O. - A.S. MIXED LIQUOR
100273	350	270
100373	280	280
100473	480	250
100573	360	210
100673	390	215
100773	550	260
100873	330	260
100973	380	270
101073	510	180
101173	800	180
101273	930	200
101373	470	390
101473	700	210
101573	400	200
101673	420	200
101773	490	200
101873	490	220
101973	480	230
102073	158	220
102173	330	190
102273	290	200
102373	230	180
102473	180	230
102573	170	230
102673	150	200
50 PERCENT	390	215
10 PERCENT	740	274

APPENDIX K

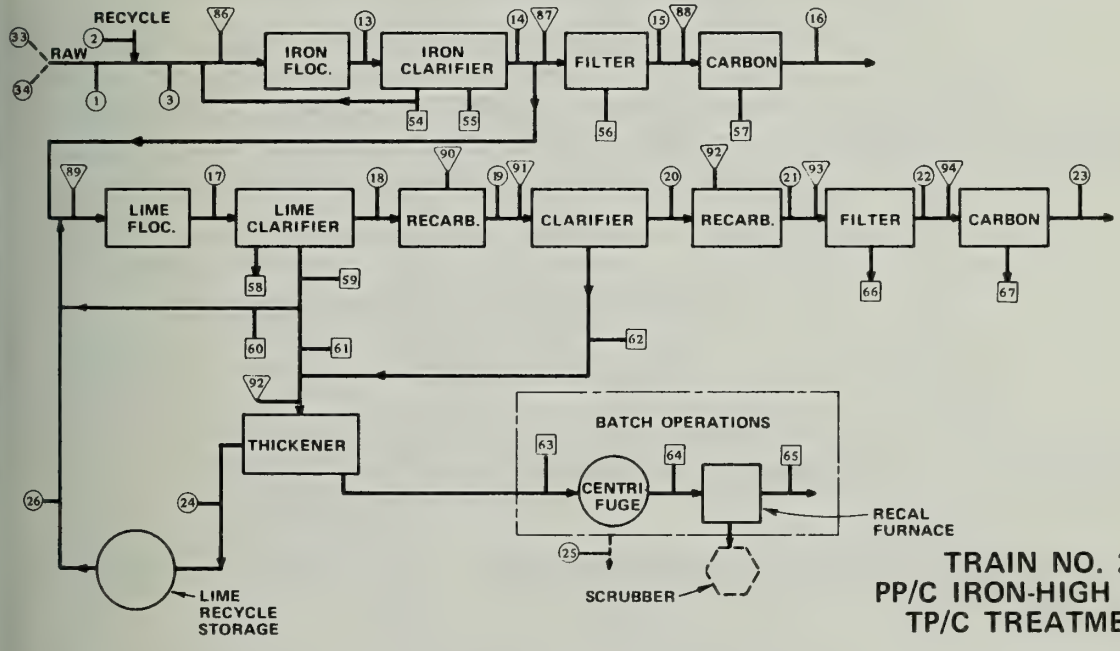
NORTH POINT - SOUTHEAST TEST DATA

OPERATIONAL DATA

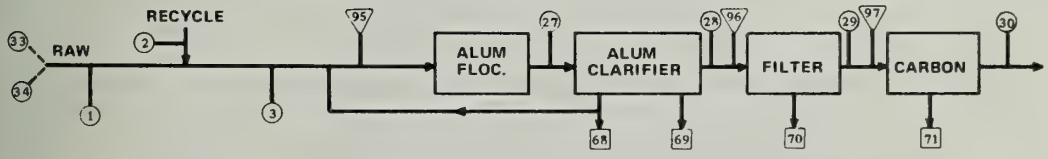
	Page
Process Flow	1
High Lime Dosage	7
Low Lime Dosage	8
Ferric Chloride Dosage	9
High Alum Dosage	10
Anionic Polymer Dosage	11
Chlorine Dosage	12
Sodium Nitrate Dosage	13
Average Turbidity	14
Maximum Turbidity	16
Minimum Turbidity	18
Average Dissolved Oxygen	20
Maximum Dissolved Oxygen	21
Minimum Dissolved Oxygen	22
Median Daily pH	23
Maximum Daily pH	26
Minimum Daily pH	29
Temperature	32
Carbon Dioxide	33
Number of Process Runs Each Day	34
Process Run Length	36
Average Process Run Rate	42
Total Process Flow	47
Final Head Loss	52
Total Process Backwash	57
Average Turbidity	62



TRAIN NO. 1
BIOLOGICAL-TERTIARY P/C TREATMENT



TRAIN NO. 2
PP/C IRON-HIGH LIME
TP/C TREATMENT



TRAIN NO. 3
TERTIARY PHYSICAL/CHEMICAL TREATMENT

NOTES:

- (1) TO (34) LIQUID STREAM DATA POINTS
- [41] TO [71] SOLID OR WASTE DATA POINTS
- ▽81 TO ▽97 CHEMICAL ADDITION POINTS
- ---- INDICATES NP + SE
- (33) SE RAW
- (34) NP RAW

SOUTHEAST PILOT PLANT
PROCESS TRAINS AND DATA COLLECTION POINTS

KEY

DATA REVIEW (RVEW) AND CORRELATION COEFFICIENT (CORL) OUTPUT

SE — Phase of Pilot Plant Study during which waste treatment alternatives were investigated for Southeast sewage.

NP+ SE — Phase of Pilot Plant during which waste treatment alternatives were investigated for North Point (75%) plus Southeast (25%) combined sewage.

Date — Date of Sample collection

Non-Specific Process - Sample stations not associated with a particular treatment process. Normally raw sewage or preliminary treated effluent.

A.S. — Activated Sludge Process

H.P.O. — High Purity Oxygen Process

50 Percent - Median value of data set

10 Percent - Value at which 10 percent of the ordered data values are larger and 90 percent of the data values are smaller.

Range (R) - Constituent range of middle 80% of data. Used in calculation of the coefficient of reliability.

Displacement (d) - Constituent displacement from 10 percentile number and given standard.

Standard(s) - Regulatory Standard to which data is compared.

Coefficient of Reliability (Cr) - Arbitrary index to measure efficiency of removal for given constituent and treatment process. Computed from $CR = \frac{1}{R} \times d$. Has range of $-\infty$ to $+\infty$. Negative values indicate noncompliance with standard.

PROCESS FLOW (GPM)

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS
	33 SOUTHEAST RAW SEWAGE	34 NORTHPOINT RAW SEWAGE	1 COMBINED RAW SEWAGE	2 RECYCLE ADDED TO RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	7 CHEMICAL CLARIFIER EFFLUENT
100273	23	74	105		28	14	10.4
100373	26	69	97		27	14	10.8
100473	24	76	98		28	14	8.0
100573	22	76	98	3.0	28	14	11.1
100673	24	75	98		28	14	8.9
100773	26	72	98	3.0	28	14	9.2
100873	25	74	98	3.0	28	14	9.0
100973	23	81	98	3.0	28	14	8.0
101073	26	72	98	3.0	28	14	9.4
101173	26	72	98	3.0	28	14	10.8
101273	23	75	98	3.0	28	14	9.7
101373	22	77	98	3.0	28	14	9.3
101473	19	79	98	3.0	28	14	8.2
101573	26	72	98	3.0	28	14	8.6
101673	24	74	98		28	14	8.7
101773	24	74	98	3.0	28	14	7.3
101873	22	76	98	3.4	28	14	9.9
101973	25	82	109	3.0	28	14	10.0
102073	30	77	107	3.0	28	14	6.9
102173	23	74	98	3.0	28	14	8.4
102273	22	76	98	3.0	28	14	8.9
102373	26	72	98	3.0	28	14	8.7
102473	27	80	98	3.0	28	14	9.1
102573	23	74	98	3.0	28	14	8.6
102673	24	74	98	3.0	28	14	8.1
50 PERCENT	24	74	98	3.0	28	14	8.9
10 PERCENT	26	80	106	3.0	28	14	10.8

PROCESS FLOW (GPM)

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS
	8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	13 CHEMICAL FLOCULATOR EFFLUENT	15 FILTER EFFLUENT	16 CARBON COLUMN EFFLUENT
100273	0.6	0.4	14	0.6	0.4	54	0.7	0.4
100373	0.6	0.4	14	0.6	0.4	54	0.5	0.4
100473	0.6	0.4	14	0.6	0.4	54	0.7	0.4
100573	0.6	0.4	14	0.6	0.4	54	0.6	0.4
100673	0.6	0.4	14	0.6	0.4	54	0.6	0.4
100773	0.6	0.4	14	0.6	0.4	54	0.7	0.3
100873	0.6	0.4	14	0.6	0.4	54	0.6	0.4
100973	0.6	0.4	14	0.6	0.4	54	0.6	0.4
101073	0.6	0.4	14	0.6	0.4	54	0.7	0.3
101173	0.5	0.4	14	0.6	0.4	54	0.6	0.3
101273	0.6	0.4	14	0.6	0.4	54	0.6	0.4
101373	0.6	0.4	14	0.6	0.4	54	0.6	0.4
101473	0.6	0.3	14	0.6	0.4	54	0.6	0.4
101573	0.6	0.4	14	0.6	0.4	54	0.6	0.4
101673	0.6	0.4	14	0.6	0.4	54	0.6	0.4
101773	0.6	0.4	14	0.6	0.4	54	0.7	0.3
101873	0.6	0.4	14	0.6	0.4	54	0.6	0.4
101973	0.5	0.4	14	0.6	0.4	61	0.6	0.4
102073	0.7	0.4	14	0.6	0.4	61	0.6	0.4
102173	0.6	0.4	14	0.6	0.4	54	0.6	0.4
102273	0.6	0.4	14	0.6	0.4	54	0.4	0.4
102373	0.7	0.4	14	0.6	0.4	54	0.6	0.4
102473	0.7	0.4	14	0.6	0.4	54	0.6	0.4
102573	0.6	0.4	14	0.6	0.4	54	0.6	0.4
102673	0.6	0.3	14	0.6	0.4	54	0.6	0.4
50 PERCENT	0.6	0.4	14	0.6	0.4	54	0.6	0.4
10 PERCENT	0.7	0.4	14	0.6	0.4	57	0.7	0.4

PROCESS FLOW (GPM)

DATE	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE CONVENTIONAL A.S. PROCESS
	17 LIME FLOCULATOR EFFLUENT	19 FIRST STAGE LIME RECARB EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	27 CHEMICAL FLOCULATOR EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT	44 CONVENTIONAL A.S RECYCLE SLUDGE
100273	14	8.0	0.6	0.4	14	0.6	0.3	7.0
100373	14	8.0	0.7	0.4	15	0.6	0.4	7.0
100473	14	8.0	0.6	0.4	16	0.6	0.4	7.0
100573	14	7.9	0.6	0.4	16	0.6	0.4	7.0
100673	14	7.9	0.7	0.4	16	0.6	0.4	7.0
100773	14	7.9	0.6	0.4	16	0.4	0.4	7.0
100873	14	7.9	0.6	0.4	16	0.6	0.3	7.0
100973	14	8.0	0.6	0.4	16	0.5	0.3	7.0
101073	14	8.0	0.6	0.4	16	0.6	0.3	6.2
101173	14	8.0	0.7	0.4	16	0.6	0.4	5.6
101273	14	8.0	0.6	0.4	16	0.6	0.4	5.6
101373	14	7.9	0.5	0.4	16	0.6	0.4	6.2
101473	14	8.0	0.7	0.4	16	0.6	0.4	7.0
101573	14	8.0	0.7	0.4	16	0.5	0.3	7.0
101673	14	8.0	0.6	0.4	16	0.6	0.3	7.0
101773	14	8.0	0.7	0.4	16	0.6	0.3	7.0
101873	14	8.0	0.6	0.3	16	0.6	0.3	7.0
101973	14	8.0	0.7	0.4	18	0.5	0.4	6.8
102073	14	8.0	0.6	0.4	18	0.6	0.3	7.0
102173	14	8.0	0.6	0.4	16	0.6	0.3	7.0
102273	14	8.0	0.6	0.4	16	0.5	0.3	7.0
102373	14	8.0	0.6	0.4	16	0.6	0.3	7.0
102473	14	8.0	0.7	0.3	16	0.6	0.3	7.0
102573	14	8.0	0.7	0.4	16	0.7	0.3	7.0
102673	14	8.0	0.6	0.4	16	0.6	0.4	7.0
50 PERCENT	14	8.0	0.6	0.4	16	0.6	0.3	7.0
10 PERCENT	14	8.0	0.7	0.4	17	0.6	0.4	7.0

PROCESS FLOW (GPM)

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
	46 CHEMICAL CLARIFIER WASTE SLUDGE	49 TOTAL H.P.O. - A.S. SLUDGE	51 H.P.O. - A.S. RECYCLE SLUDGE	54 CHEMICAL CLARIFIER SLUDGE RECYCLE	59 TOTAL LIME CLARIFIER SLUDGE	61 LIME CLARIFIER WASTE SLUDGE	62 LIME RECARB SLUDGE	68 CHEMICAL CLARIFIER RECYCLE SLUDGE
100273	0.6	4.0	4.0	7.4	3.8	3.8	0.6	3.3
100373	0.4	4.0	4.0	6.4	4.5	4.5	0.6	4.0
100473	0.6	4.0	4.0	6.3	1.5	1.5	0.5	3.7
100573	0.4	4.0	4.0	3.0	1.5	1.5	0.6	2.3
100673	0.3	4.0	4.0	7.2	1.5	1.5	0.4	3.8
100773	0.3	4.0	4.0	7.0	1.6	1.6	0.3	3.1
100873	0.3	4.0	4.0	6.1	1.4	1.4	0.9	3.8
100973	0.5	4.0	4.0	6.4	1.7	1.7	0.3	4.3
101073	0.5	4.0	4.0	7.0	2.0	2.0	0.4	3.5
101173	0.6	4.0	4.0	6.0	2.5	2.5	0.3	3.6
101273	0.3	4.0	4.0	6.8	2.0	2.0	0.3	4.1
101373	0.3	4.0	4.0	7.1	1.5	1.5	0.3	3.9
101473	0.6	4.0	4.0	7.9	1.8	1.8	0.3	4.1
101573	0.7	4.0	4.0	7.3	2.3	2.3	0.3	3.7
101673	0.7	4.0	4.0	7.2	1.5	1.5	0.3	3.5
101773	0.7	4.0	4.0	6.9	2.0	2.0	0.3	2.4
101873	1.0	4.0	4.0	7.7	1.5	1.5	0.3	4.1
101973	0.6	4.0	4.0	6.8	1.5	1.5	0.4	3.1
102073	0.5	4.0	4.0	7.4	1.5	1.5	0.3	3.2
102173	0.5	4.0	4.0	7.4	1.5	1.5	0.3	2.8
102273	0.5	4.0	4.0	7.1	1.5	1.5	0.3	3.0
102373	0.5	4.0	4.0	7.4	1.5	1.5	0.4	3.5
102473	0.5	4.0	4.0	6.2	1.5	1.5	0.4	2.9
102573	0.5	4.0	4.0	6.1	1.5	1.5	0.5	3.3
102673	0.5	4.0	4.0	5.8	1.5	1.5	0.4	4.0
50 PERCENT	0.5	4.0	4.0	7.0	1.5	1.5	0.3	3.5
10 PERCENT	0.7	4.0	4.0	7.5	3.0	3.0	0.6	4.1

PROCESS FLOW (GAL)

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	42 PRIMARY CLARIFIER SLUDGE	43 CONVENTIONAL A.S WASTE SLUDGE	47 FILTER BACKWASH	48 CARBON BACKWASH	50 H.P.O. - A.S. WASTE SLUDGE	52 FILTER BACKWASH	53 CARBON BACKWASH
100273	200	150					
100373	200		20.0			24	
100473	350		10.0				30
100573	450	140		28			42
100673	800					50	
100773	700	150			24		60
100873	550			18	44		
100973	450		16.0		48	18	
101073	325				48		75
101173	650	123		15	48		58
101273	550			15	48	16	21
101373	250		35.0		48		
101473	360	200			48	20	
101573	440			24	48		30
101673	400		58.0	15	56		
101773	250				72	16	
101873	350	36			68		30
101973	285	60			48		
102073	350				48		
102173	330	24	20.0	30	48	16	
102273	765	24			48		
102373	210	24			48	26	
102473	210				48		
102573	200		16.0		48		
102673	160				48	13	
50 PERCENT	350	91	20.0	17	48	18	36
10 PERCENT	726	195	0.0	0	67	50	0

PROCESS FLOW (GPM)

DATE	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	56 FILTER BACKWASH	57 CARBON BACKWASH	66 FILTER BACKWASH	67 CARBON BACKWASH	70 FILTER BACKWASH	71 CARBON BACKWASH
100273	46	60.0			49	
100373			95	15	29	18
100473	30	15.0	64	30	24	30
100573	76	20.0		20	177	30
100673	79				170	20
100773	90	45.0	45	35		30
100873	57	58.0			93	20
100973	38	15.0		15	32	15
101073		15.0	82		58	24
101173	15			15	90	50
101273	54	39.0		36	135	42
101373	46	65.0	64	23	58	
101473	32		16	20	80	30
101573	57	90.0		33	22	45
101673	26	30.0		30	49	39
101773	27			69	21	102
101873	56	37.5		47	80	70
101973	122	6.0		30	78	30
102073	90	15.0		18	84	46
102173	13		27	20	99	30
102273	131	40.0		30	100	40
102373	57	40.0			35	60
102473	51	75.0		30	100	30
102573	32	18.0		30	25	27
102673			40	45	56	
50 PERCENT	52	38.2	54	30	68	30
10 PERCENT	112	97.5	0	46	153	67

HIGH LIME DOSAGE MG/L CA(OH)2

DATE	NP + SE FERRIC PLUS LIME PROCESS 17 LIME FLOCULATOR EFFLUENT
100273	667
100373	583
100473	665
100573	745
100673	619
100773	520
100873	420
100973	600
101073	783
101173	560
101273	660
101373	673
101473	712
101573	603
101673	570
101773	577
101873	634
101973	615
102073	696
102173	615
102273	610
102373	579
102473	529
102573	600
102673	750
50 PERCENT	615
10 PERCENT	747

LOW LIME DOSAGE MG/L CA(OH)2

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 6 CHEMICAL FLOCULATOR EFFLUENT	NP + SE FERRIC PROCESS 13 CHEMICAL FLOCULATOR EFFLUENT	NP + SE HIGH ALUM PROCESS 27 CHEMICAL FLOCULATOR EFFLUENT
100273	46	103	60
100373		97	62
100473	54	103	70
100573	75	90	79
100673	53	110	79
100773	50	90	75
100873	50	130	72
100973	65	101	86
101073	60	66	78
101173	62	110	78
101273	52	119	81
101373	53	121	76
101473	41	128	56
101573	65	118	71
101673	76	120	76
101773	70	134	88
101873	57	130	81
101973	60	135	79
102073	65	135	86
102173	54	110	67
102273	55	107	63
102373	60	122	68
102473	63	126	70
102573	54	137	73
102673	49	128	78
50 PERCENT	56	119	76
10 PERCENT	73	135	86

FERRIC CHLORIDE DOSAGE MG/L

DATE	NP + SE FERRIC PROCESS 13 CHEMICAL FLOCULATOR EFFLUENT
100273	183
100373	148
100473	182
100573	178
100673	181
100773	187
100873	175
100973	184
101073	170
101173	175
101273	175
101373	177
101473	183
101573	170
101673	184
101773	175
101873	174
101973	203
102073	200
102173	175
102273	170
102373	175
102473	175
102573	174
102673	180
50 PERCENT	175
10 PERCENT	192

HIGH ALUM DOSAGE MG/L

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 6 CHEMICAL FLOCULATOR EFFLUENT	NP + SE HIGH ALUM PROCESS 27 CHEMICAL FLOCULATOR EFFLUENT
100273	163	200
100373	159	200
100473	163	200
100573	150	230
100673	150	250
100773	152	220
100873	150	217
100973	157	220
101073	144	225
101173	155	240
101273	152	235
101373	143	240
101473	146	230
101573	150	226
101673	149	230
101773	147	225
101873	145	225
101973	151	255
102073	160	260
102173	155	211
102273	155	220
102373	155	225
102473	152	230
102573	150	220
102673	155	232
50 PERCENT	152	225
10 PERCENT	161	252

ANIONIC POLYMER DOSAGE MG/L

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 6 CHEMICAL FLOCULATOR EFFLUENT	NP + SE FERRIC PROCESS 13 CHEMICAL FLOCULATOR EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 17 LIME FLOCULATOR EFFLUENT	NP + SE HIGH ALUM PROCESS 27 CHEMICAL FLOCULATOR EFFLUENT
100273	0.6	0.6	0.5	0.4
100373	0.6	0.5	0.5	0.4
100473	0.6	0.5	0.5	0.4
100573	0.6	0.5	0.6	0.5
100673	0.6	0.5	0.5	0.5
100773	0.5	0.6	0.5	0.5
100873	0.6	0.5	0.5	0.5
100973	0.7	0.6	0.5	0.5
101073	0.6	0.6	0.5	0.5
101173	0.5	0.5	0.5	0.5
101273	0.6	0.5	0.5	0.4
101373	0.6	0.5	0.5	0.5
101473	0.5	0.5	0.5	0.4
101573	0.5	0.5	0.5	0.5
101673	0.6	0.5	0.5	0.5
101773	0.5	0.5	0.5	0.5
101873	0.5	0.5	0.5	0.5
101973	0.5	0.5	0.6	0.6
102073	0.5	0.5	0.7	0.6
102173	0.5	0.5	0.4	0.5
102273	0.5	0.5	0.5	0.5
102373	0.6	0.5	0.6	0.5
102473	0.6	0.5	0.5	0.5
102573	0.5	0.6	0.5	0.5
102673	0.6	0.5	0.5	0.5
50 PERCENT	0.6	0.5	0.5	0.5
10 PERCENT	0.6	0.6	0.6	0.5

CHLORINE DOSAGE MG/L

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE $H_4P_2O_7$ ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT
100273	5.0	5.0
100373	5.0	5.0
100473	5.0	5.0
100573	5.0	5.0
100673	5.0	5.0
100773	5.0	5.0
100873	5.0	5.0
100973	5.0	5.0
101073	5.0	5.0
101173	5.0	5.0
101273	5.0	5.0
101373	5.0	5.0
101473	5.0	5.0
101573	5.0	5.0
101673	5.0	5.0
101773	5.0	5.0
101873	5.0	5.0
101973	5.0	5.0
102073	5.0	5.0
102173	5.0	5.0
102273	5.0	5.0
102373	5.0	5.0
102473	5.0	5.0
102573	5.0	5.0
102673	5.0	5.0
50 PERCENT	5.0	5.0
10 PERCENT	5.0	5.0

SODIUM NITRATE DOSAGE MG/L

DATE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100173		55
100673	55	55
100973	55	55
101073	55	55
101173	55	55
101273	55	55
101373	55	55
101473	55	55
101573	55	55
101673	55	55
101773	55	55
101873	55	55
101973	55	55
102073	55	55
102173	55	55
102273	55	55
102373	55	55
102473	55	55
102573	55	55
102673	55	55
50 PERCENT	55	55
10 PERCENT	55	55

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 7 CHEMICAL CLARIFIER EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT
100273	4.4	3.4	0.3	0.7	9.1	1.9	2.2	8.6
100373	4.7	3.4	0.3	0.3	10.8	3.9	1.7	4.3
100473	4.2	2.9	0.3	0.4	8.9	5.9	1.3	4.0
100573	4.7	3.2	0.2	0.4	9.9	6.8	1.2	3.8
100673	4.4	3.8	0.9	0.4	12.6	10.8	0.8	5.7
100773	4.3	3.5	1.4	0.4	15.2	10.9	0.8	5.1
100873	3.9	2.6	1.0	0.5	10.0	6.9	0.7	3.8
100973	4.4	2.7	0.2	0.3	11.3	5.8	0.8	4.7
101073	6.9	3.2	1.3	1.1	11.4	2.5	1.6	5.0
101173	5.1	2.9	1.5	0.4	11.2	6.5	0.9	4.8
101273	3.3	2.7	1.4	1.2	9.3	4.7	1.1	8.3
101373	10.2	3.1	0.5	0.3	9.9	2.2	0.4	6.0
101473	8.1	4.5	0.5	0.3	8.6	1.7	0.4	3.9
101573	6.8	2.8	1.0	0.3	10.6	0.6	0.4	2.8
101673	6.7	2.9	1.0	0.3	11.9	1.8	0.5	4.1
101773	6.3	2.5	0.4	0.3	12.0	2.6	0.7	3.9
101873	6.3	2.8	0.8	0.2	11.9	2.2	0.4	3.7
101973	10.9	2.6	1.2	0.3	9.2	3.1	0.6	6.0
102073	10.7	3.1	0.8	0.9	12.6	1.9	0.7	6.2
102173	11.4	3.7	1.0	0.7	8.9	0.8	0.7	5.1
102273	11.1	4.6	0.6	0.8	8.4	0.5	0.5	3.9
102373	12.9	2.5	0.7	0.4	9.6	1.0	0.6	2.9
102473	14.4	3.5	1.8	0.4	7.4	3.5	0.6	5.4
102573	21.8	3.1	1.2	0.3	6.6	1.8	0.6	7.3
102673	29.2	3.4	0.8	0.2	6.8	2.3	1.0	8.0
50 PERCENT	6.7	3.1	0.8	0.4	9.9	2.5	0.7	4.8
10 PERCENT	17.4	4.1	1.4	1.0	12.6	8.5	1.6	8.1

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	15 FILTER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	2.2	0.8	2.8	0.2	0.5	16.6	4.6	2.6
100373	1.2	0.9	3.5	0.6	0.6	9.5	3.8	1.4
100473	1.4	2.3	7.1	0.9	1.0	6.4	0.5	1.6
100573	2.6	1.4	9.2	0.3	0.7	6.8	1.7	1.7
100673	1.6	1.9	5.1	0.3	0.5	7.7	1.7	1.6
100773	0.8	0.9	7.8	0.6	0.7	8.4	2.3	1.0
100873	0.7	1.1	7.2	0.3	0.7	7.8	1.5	1.6
100973	1.2	0.9	4.8	0.4	0.5	4.4	1.2	2.1
101073	2.8	1.9	5.8	0.2	1.5	13.4	2.5	16.5
101173	1.7	2.5	4.2	0.3	0.7	11.0	2.3	6.1
101273	0.8	4.8	4.1	0.3	1.2	12.0	2.2	4.0
101373	1.7	1.9	6.9	0.2	1.0	11.9	3.5	3.4
101473	1.6	1.1	4.7	0.1	0.6	10.3	1.1	1.8
101573	2.4	1.4	5.4	0.2	0.5	14.5	0.3	1.9
101673	2.1	2.0	2.5	0.3	0.9	11.3	1.7	2.4
101773	2.0	1.9	4.8	0.5	0.9	7.4	1.3	2.9
101873	2.2	3.2	6.2	0.3	0.9	12.6	1.6	2.7
101973	0.8	1.4	2.3	0.3	0.6	17.9	3.7	3.3
102073	0.5	3.2	9.5	0.3	2.8	6.8	4.7	3.6
102173	0.8	3.0	4.8	0.3	1.9	17.2	11.0	3.8
102273	1.5	4.6	5.3	0.2	1.1	15.2	13.2	4.7
102373	2.3	4.3	4.6	0.9	0.5	5.8	1.8	2.7
102473	0.9	4.2	3.7	0.2	0.6	10.8	0.7	2.4
102573	1.9	4.9	3.8	0.3	1.4	13.8	4.2	4.1
102673	1.0	2.8	6.4	0.7	1.0	18.7	6.3	3.0
50 PERCENT	1.6	1.9	5.1	0.3	0.7	11.0	2.2	2.7
10 PERCENT	2.5	4.7	9.3	0.8	1.7	17.5	8.2	5.3

MAXIMUM TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS
	5 CONVENTIONAL A.S EFFLUENT	7 CHEMICAL CLARIFIER EFFLUENT	8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT
100273	5.4	4.2	0.6	2.8	1.0	2.8	3.6	32.0
100373	6.0	4.2	0.6	0.6	3.0	5.5	2.0	5.7
100473	5.8	5.0	0.3	1.2	6.0	8.0	2.1	7.0
100573	6.5	4.7	0.3	0.7	5.0	12.0	2.6	5.1
100673	4.9	4.7	2.0	0.5	8.0	30.0	1.4	8.3
100773	5.8	7.4	2.3	1.0	2.0	19.0	1.0	14.0
100873	5.6	3.4	1.3	1.8	6.0	9.5	1.0	6.9
100973	6.2	4.0	0.6	0.7	9.0	11.0	1.2	9.0
101073	14.0	4.2	2.6	2.8	5.0	4.5	4.3	8.2
101173	12.0	6.1	3.6	0.7	7.0	19.0	1.4	6.9
101273	5.7	4.5	3.4	1.8	2.0	8.0	2.3	9.1
101373	35.0	5.9	2.0	0.4	5.0	3.0	0.6	7.5
101473	15.0	18.0	0.9	0.4	1.0	2.4	0.6	6.0
101573	10.0	3.2	1.5	0.5	3.0	0.8	0.6	4.0
101673	10.0	4.0	2.5	0.4	6.0	2.6	0.6	5.3
101773	16.0	2.8	0.6	0.6	6.0	3.5	1.0	5.2
101873	12.0	33.0	1.0	0.5	7.0	3.0	0.5	4.5
101973	27.0	3.7	3.0	0.5	2.0	5.0	0.9	21.0
102073	25.0	3.5	1.2	1.5	7.0	2.1	1.0	20.0
102173	38.0	4.5	1.4	1.4	2.0	1.5	1.2	9.0
102273	14.0	5.0	0.8	1.5	4.0	0.7	0.7	5.7
102373	18.0	3.5	1.2	0.5	8.0	1.8	1.2	4.2
102473	18.0	4.3	3.0	1.0	3.0	7.0	1.1	13.0
102573	29.0	3.8	3.5	0.6	7.8	3.8	0.8	17.0
102673	40.0	4.2	2.0	0.4	8.4	8.0	1.3	12.0
50 PERCENT	12.0	4.2	1.4	0.7	5.0	4.5	1.1	7.5
10 PERCENT	36.2	11.6	3.4	2.2	8.4	19.0	3.0	20.4

MAXIMUM TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	15 FILTER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	10.0	1.2	28.0	0.5	1.2	27.0	7.0	5.7
100373	3.0	1.1	6.2	1.2	1.1	15.0	7.5	1.8
100473	3.0	5.0	20.0	1.1	2.0	12.0	0.6	2.4
100573	4.3	1.8	23.0	0.5	1.1	12.0	2.8	3.4
100673	4.5	2.5	15.0	0.4	0.7	13.0	2.6	2.3
100773	2.5	1.5	20.0	1.3	1.4	19.0	4.4	1.3
100873	2.0	2.2	17.0	0.5	1.4	13.0	4.0	1.9
100973	2.6	1.1	8.1	1.4	0.9	8.1	3.5	5.0
101073	4.0	2.6	14.0	0.2	3.1	27.0	3.6	29.0
101173	4.0	4.6	7.5	0.4	0.9	18.0	3.6	12.0
101273	1.1	12.0	7.9	0.4	3.2	28.0	6.0	5.3
101373	2.7	3.0	12.0	0.3	2.7	24.0	7.0	5.5
101473	4.0	2.3	13.0	0.2	2.0	28.0	1.5	3.8
101573	5.0	1.9	8.4	0.3	1.2	16.0	0.4	3.0
101673	3.5	3.2	5.3	0.4	2.0	22.0	3.5	4.0
101773	7.0	2.4	15.0	1.7	2.6	12.0	2.0	4.1
101873	3.5	7.2	13.0	0.4	2.4	24.0	1.8	4.0
101973	1.1	2.2	5.5	0.4	0.9	42.0	8.0	4.6
102073	0.8	5.2	30.0	0.4	7.8	12.0	11.0	5.0
102173	0.9	5.1	7.8	0.4	4.4	28.0	22.0	4.8
102273	2.2	5.4	7.5	0.3	1.9	33.0	30.0	7.5
102373	3.0	8.0	14.0	3.5	0.6	9.1	3.5	4.5
102473	1.4	7.0	10.0	0.4	1.0	37.0	1.9	3.2
102573	4.2	6.5	10.0	0.4	3.8	20.0	7.0	8.5
102673	2.5	3.2	15.0	1.0	2.6	32.0	11.0	6.2
50 PERCENT	3.0	3.0	13.0	0.4	1.9	20.0	3.6	4.5
10 PERCENT	5.8	7.5	25.0	1.5	4.0	34.6	15.4	9.9

MINIMUM TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS
	5 CONVENTIONAL A.S EFFLUENT	7 CHEMICAL CLARIFIER EFFLUENT	8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT
100273	2.9	3.0	0.2	0.1	7.0	1.7	1.5	4.1
100373	4.2	2.7	0.1	0.1	7.6	1.5	1.4	2.9
100473	2.9	2.3	0.1	0.2	7.3	4.5	0.8	2.5
100573	3.0	2.2	0.1	0.3	7.1	3.9	0.5	2.7
100673	3.5	2.8	0.4	0.3	8.2	5.0	0.5	3.3
100773	2.7	2.2	0.7	0.2	7.1	4.5	0.6	2.8
100873	2.6	2.1	0.7	0.2	6.7	4.6	0.5	1.7
100973	3.3	2.2	0.1	0.1	8.3	0.4	0.4	1.9
101073	4.2	1.7	0.3	0.3	8.2	0.3	0.8	2.3
101173	3.0	1.2	0.7	0.2	7.0	3.4	0.5	3.7
101273	1.5	1.8	0.8	0.3	5.4	1.5	0.4	2.5
101373	2.2	2.0	0.1	0.2	7.0	1.5	0.3	4.7
101473	3.0	2.1	0.2	0.2	7.0	1.0	0.3	2.6
101573	4.5	2.6	0.7	0.1	7.5	0.5	0.2	2.3
101673	3.5	1.8	0.2	0.2	8.3	0.6	0.3	2.3
101773	3.3	1.8	0.2	0.1	7.2	1.6	0.2	3.0
101873	3.5	2.3	0.5	0.1	9.2	1.2	0.2	2.5
101973	3.4	1.3	0.8	0.1	8.9	2.2	0.2	2.5
102073	4.0	2.5	0.7	0.4	9.0	1.6	0.5	2.3
102173	3.5	3.1	0.7	0.5	5.2	0.2	0.5	2.7
102273	7.9	4.3	0.2	0.4	4.8	0.5	0.5	1.7
102373	8.3	1.8	0.5	0.1	5.9	0.5	0.3	1.6
102473	10.0	2.4	1.3	0.2	5.3	1.6	0.4	2.6
102573	12.0	2.3	0.3	0.1	5.2	1.0	0.4	5.1
102673	21.0	2.7	0.1	0.1	4.7	1.0	0.6	3.1
50 PERCENT	3.5	2.2	0.3	0.2	7.1	1.5	0.5	2.6
10 PERCENT	10.8	3.0	0.8	0.4	8.9	4.5	1.1	4.3

MINIMUM TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	NP + SE FERRIC PROCESS	NP + SL FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
	15 FILTER EFFLUENT	16 CARBON COLUMN EFFLUENT	21 SECOND STAGE LIME RECARB EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	0.2	0.2	2.9	0.1	0.2	5.9	2.70	1.4
100373	0.5	0.7	1.8	0.2	0.4	4.4	0.20	1.1
100473	0.3	1.2	3.1	0.5	0.6	4.6	0.30	0.7
100573	1.6	1.1	1.2	0.2	0.4	2.9	1.00	0.7
100673	0.3	0.8	4.0	0.2	0.4	3.4	0.80	1.4
100773	0.4	0.3	3.5	0.2	0.6	2.6	0.13	0.7
100873	0.2	0.5	3.8	0.1	0.4	4.5	0.08	1.2
100973	0.2	0.6	1.6	0.1	0.4	2.2	0.05	0.6
101073	2.3	1.5	1.6	0.1	0.8	6.6	1.20	3.3
101173	0.7	0.6	1.9	0.2	0.5	2.9	0.70	1.4
101273	0.5	1.4	1.2	0.2	0.5	4.2	0.30	2.8
101373	0.8	1.3	3.4	0.1	0.5	4.8	1.70	2.0
101473	0.7	0.6	1.1	0.1	0.4	3.4	0.60	0.3
101573	1.1	0.8	3.4	0.1	0.3	5.8	0.30	1.3
101673	0.9	1.7	0.8	0.2	0.7	3.1	0.10	0.8
101773	0.6	1.5	2.3	0.2	0.4	4.6	0.20	1.7
101873	0.6	1.3	3.4	0.2	0.4	5.2	1.40	0.5
101973	0.3	0.6	0.2	0.2	0.4	7.1	1.40	1.9
102073	0.2	1.1	2.0	0.3	0.8	4.3	0.70	2.0
102173	0.7	1.6	1.6	0.3	0.8	7.0	5.00	3.0
102273	1.2	3.7	2.3	0.1	0.7	5.6	0.80	3.0
102373	1.2	1.4	1.2	0.1	0.4	4.2	0.70	1.4
102473	0.7	1.6	1.2	0.2	0.5	4.2	0.10	1.6
102573	0.9	3.5	2.5	0.2	0.6	10.0	2.00	2.0
102673	0.4	2.4	3.0	0.4	0.6	5.6	3.80	1.8
50 PERCENT	0.6	1.2	2.0	0.2	0.5	4.5	0.70	1.4
10 PERCENT	1.4	2.8	3.6	0.3	0.8	7.0	3.14	3.0

AVERAGE DISSOLVED OXYGEN MG/L

DATE	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	31 CONVENTIONAL A.S MIXED LIQUOR	32 H.P.O. - A.S. MIXED LIQUOR
100273	2.0	7.5
100373	1.6	7.2
100473	1.8	6.9
100573	1.7	8.1
100673	1.4	6.2
100773	1.6	8.5
100873	1.5	10.4
100973	1.3	5.9
101073	1.3	5.8
101173	1.6	7.4
101273	1.4	9.0
101373	1.6	5.9
101473	1.8	7.7
101573	1.8	6.7
101673	1.5	3.9
101773	1.9	6.1
101873	1.7	7.8
101973	1.7	5.7
102073	1.5	8.6
102173	1.4	8.2
102273	2.4	9.4
102373	2.9	11.2
102473	1.5	9.6
102573	1.1	9.3
102673	1.1	11.6
50 PERCENT	1.6	7.7
10 PERCENT	2.2	10.7

12/01/73

MAXIMUM DISSOLVED OXYGEN MG/L

DATE	NP + SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 32 H.P.O. - A.S. MIXED LIQUOR
	4.4	11.4
100273	5.5	9.7
100373	3.5	10.7
100473	2.0	15.0
100573	2.0	11.4
100673	2.3	15.0
100773	2.6	11.5
100873	1.4	8.0
100973	2.0	8.5
101073	2.0	12.0
101173	2.0	15.0
101273	2.6	12.0
101373	2.3	9.8
101473	3.5	15.0
101573	2.2	12.0
101673	2.3	9.4
101773	3.0	12.0
101873	3.1	9.0
101973	2.5	11.0
102073	3.3	14.2
102173	4.5	15.0
102273	6.2	15.0
102373	3.1	15.0
102473	1.5	15.0
102573	1.2	
102673		
		12.0
50 PERCENT	2.5	15.0
10 PERCENT	4.4	

12/01/73

MINIMUM DISSOLVED OXYGEN MG/L

DATE	NP + SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 32 H.P.O. - A.S. MIXED LIQUOR
	0.6	5.1
100273	0.5	2.4
100373	0.8	5.0
100473	1.2	5.5
100573	0.6	1.2
100673	1.1	1.1
100773	0.9	5.1
100873	1.0	
100973	0.6	1.1
101073	1.1	4.5
101173	0.8	0.8
101273	0.4	1.0
101373	1.5	5.6
101473	1.2	3.0
101573	0.6	0.6
101673	1.6	3.0
101773	0.7	3.8
101873	1.0	3.3
101973	1.1	6.9
102073	1.3	6.7
102173	0.8	7.3
102273	0.9	0.8
102373	1.0	1.0
102473	0.6	0.6
102573	1.0	6.5
102673		
		3.1
50 PERCENT	0.9	6.8
10 PERCENT	1.4	

MEDIAN DAILY PH (PH UNITS)

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	6 CHEMICAL FLOCULATOR EFFLUENT	7 CHEMICAL CLARIFIER EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT
100273	6.8	7.0	6.8	7.4	7.1	8.6	6.4
100373	7.0	6.9	6.8	7.4	6.9	8.2	6.3
100473	7.0	6.9	6.7	7.1	6.9	7.6	6.2
100573	7.0	6.9	6.7	6.8	7.3	7.4	6.3
100673	7.0	6.9	6.4	7.0	6.9	7.6	6.1
100773	6.9	6.9	6.6	6.9	7.1	8.6	6.2
100873	6.9	6.9	6.4	6.8	6.8	7.4	6.1
100973	6.9	6.9	6.6	7.0	7.2	7.0	6.2
101073	7.0	7.0	6.6	7.3	7.3	7.0	6.2
101173	6.8	6.9	6.7	6.9	7.0	7.0	6.1
101273	7.1	7.0	6.7	7.1	7.1	6.8	6.4
101373	7.0	7.0	6.9	7.2	7.2	7.0	6.3
101473	7.0	7.0	6.7	6.9	6.8	6.9	6.3
101573	6.9	7.0	6.6	7.1	7.5	6.9	6.3
101673	6.9	7.0	6.8	6.8	7.2	6.9	6.4
101773	6.9	6.9	6.8	7.4	7.1	7.1	6.1
101873	6.9	7.0	6.8	7.6	7.6	7.3	6.3
101973	7.1	7.0	6.8	7.4	7.1	7.0	6.3
102073	7.0	7.2	6.8	7.1	7.2	7.2	6.4
102173	7.0	7.0	6.6	7.4	7.4	7.1	6.2
102273	7.0	7.0	6.6	7.1	7.3	7.1	6.2
102373	7.0	7.0	6.6	6.7	6.9	7.1	6.2
102473	6.9	6.8	6.8	6.8	6.9	7.2	6.3
102573	7.0	6.9	6.8	6.8	6.8	6.8	6.3
102673	7.0	7.0	6.8	6.9	6.8	6.6	6.2
50 PERCENT	7.0	7.0	6.7	7.1	7.1	7.1	6.2
10 PERCENT	7.1	7.0	6.8	7.4	7.4	8.4	6.4

MEDIAN DAILY PH (PH UNITS)

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS
	12 CARBON COLUMN EFFLUENT	13 CHEMICAL FLOCULATOR EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	17 LIME FLOCULATOR EFFLUENT	18 LIME CLARIFIER EFFLUENT	20 RECARBONATION CLARIFIER EFFLUENT
100273	6.8	7.0	6.8	8.3	11	12	9.4
100373	6.4	6.3	6.6	7.0	11	11	9.3
100473	6.3	6.4	6.6	6.6	11	12	9.8
100573	6.4	5.9	6.5	6.6	11	12	9.6
100673	6.1	6.6	6.4	6.5	11	11	9.3
100773	6.3	5.7	6.3	6.4	11	11	10.0
100873	6.3	7.3	6.9	6.9	11	11	9.3
100973	6.3	6.7	6.5	7.0	11	11	9.8
101073	6.3	6.7	6.6	6.3	12	12	9.5
101173	6.2	6.7	6.7	6.4	11	11	8.8
101273	6.4	6.7	6.8	7.0	11	11	9.2
101373	6.4	6.7	6.7	6.8	11	11	9.6
101473	6.4	6.9	6.9	6.7	11	11	9.4
101573	6.3	6.9	6.5	6.5	11	11	9.5
101673	6.4	6.8	6.8	6.6	11	11	9.7
101773	6.2	6.8	6.8	6.5	11	11	9.6
101873	6.3	6.8	6.5	6.4	11	11	9.0
101973	6.4	6.7	6.7	6.5	11	11	9.1
102073	6.3	6.4	6.5	6.6	11	12	9.0
102173	6.3	6.5	6.7	6.5	11	11	9.3
102273	6.3	6.4	6.4	6.5	11	11	9.2
102373	6.4	6.8	6.9	7.1	11	12	9.3
102473	6.3	6.8	6.8	6.9	11	11	9.1
102573	6.3	7.0	7.0	7.3	11	11	8.8
102673	6.3	6.9	6.9	7.8	11	11	9.0
50 PERCENT	6.3	6.7	6.7	6.6	11	11	9.3
10 PERCENT	6.4	7.0	6.9	7.5	11	12	9.8

MEDIAN DAILY PH (PH UNITS)

DATE	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	27 CHEMICAL FLOCULATOR EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT	31 CONVENTIONAL A.S MIXED LIQUOR	32 H.P.O. - A.S. MIXED LIQUOR
100273	6.8	7.0	7.1	7.2	8.2	6.6	6.1
100373	6.6	6.6	6.9	6.9	7.0	6.7	6.3
100473	6.9	6.6	6.6	6.8	6.8	6.8	6.4
100573	6.6	6.8	6.9	7.0	6.8	6.7	6.6
100673	6.8	6.7	6.9	6.9	6.2	6.5	6.8
100773	6.8	6.9	6.7	6.8	6.3	6.4	6.1
100873	6.7	6.8	6.8	6.8	6.4	6.4	6.1
100973	7.7	6.9	7.0	7.1	6.5	6.3	5.9
101073	6.6	6.7	6.9	6.8	6.6	6.6	6.3
101173	6.5	6.6	6.8	6.9	8.3	6.6	6.2
101273	6.8	6.6	6.9	7.0	7.6	6.8	6.3
101373	6.9	6.8	6.8	6.8	7.8	6.9	6.1
101473	6.8	6.8	6.9	6.8	7.1	6.7	6.2
101573	6.8	6.5	7.0	6.8	6.8	6.8	6.3
101673	6.7	6.4	6.6	6.8	7.3	6.6	6.2
101773	6.4	6.3	6.9	7.1	7.3	6.6	6.0
101873	7.1	6.6	6.9	6.9	7.3	6.8	6.0
101973	6.7	6.6	6.8	6.8	7.2	6.8	6.2
102073	6.8	6.6	7.3	7.0	7.2	6.7	6.1
102173	6.6	6.6	8.1	8.3	6.5	6.8	6.1
102273	6.9	6.6	7.3	7.2	7.6	6.8	6.1
102373	7.3	6.6	6.9	7.2	7.6	6.8	6.1
102473	6.8	6.4	6.8	6.8	7.5	6.8	6.1
102573	6.6	6.4	7.0	6.9	7.5	6.8	6.3
102673	6.7	6.6	7.2	7.0	6.9	7.6	6.2
50 PERCENT	6.8	6.6	6.9	6.9	7.2	6.7	6.2
10 PERCENT	7.2	6.9	7.3	7.2	8.0	6.8	6.5

MAXIMUM DAILY PH (PH UNITS)

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	6 CHEMICAL FLOCULATOR EFFLUENT	7 CHEMICAL CLARIFIER EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT
100273	7.2	7.4	7.1	7.9	7.8	9.0	6.5
100373	7.4	7.3	7.0	7.5	7.5	8.5	6.4
100473	7.2	7.3	7.1	8.5	8.7	7.8	6.4
100573	7.3	7.2	7.0	9.1	8.7	7.6	6.5
100673	9.7	7.1	7.0	8.3	7.9	8.3	6.3
100773	7.5	7.0	6.7	8.9	8.7	8.8	6.3
100873	7.4	7.1	6.7	7.1	9.6	7.8	6.3
100973	7.3	7.5	6.9	7.5	8.2	7.2	6.3
101073	8.3	7.6	7.0	9.2	8.5	7.1	6.2
101173	7.1	7.2	7.0	7.4	7.5	7.2	6.2
101273	8.3	7.3	7.1	8.0	8.4	7.1	6.6
101373	8.7	7.3	7.4	7.9	8.5	7.2	6.4
101473	7.4	7.4	7.0	7.2	7.3	7.5	6.4
101573	7.5	7.4	7.2	7.4	7.7	7.0	6.4
101673	7.4	7.3	6.9	7.8	7.8	7.2	6.6
101773	7.7	8.9	7.1	9.4	9.2	7.6	6.3
101873	6.4	7.3	7.3	8.2	8.2	7.4	6.4
101973	9.1	7.6	7.2	8.2	9.2	7.2	6.4
102073	7.4	7.4	7.1	7.6	7.7	7.4	6.5
102173	7.6	7.7	7.0	8.1	8.1	7.5	6.4
102273	7.8	7.7	7.0	7.9	7.9	7.4	6.4
102373	7.4	7.5	7.1	7.4	8.0	7.5	6.7
102473	7.2	7.5	7.0	7.3	7.3	7.3	6.6
102573	8.0	7.7	7.0	7.0	7.2	6.9	6.4
102673	7.3	7.4	6.9	7.2	7.3	6.6	6.4
50 PERCENT	7.4	7.4	7.0	7.9	8.0	7.4	6.4
10 PERCENT	8.9	7.7	7.2	9.1	9.2	8.6	6.6

MAXIMUM DAILY PH (PH UNITS)

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS
	12 CARBON COLUMN EFFLUENT	13 CHEMICAL FLOCULATOR EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	17 LIME FLOCULATOR EFFLUENT	18 LIME CLARIFIER EFFLUENT	20 RECARBONATION CLARIFIER EFFLUENT
100273	8.9	8.3	7.0	9.1	12	12	10.2
100373	6.6	6.6	6.7	7.4	11	11	10.7
100473	6.6	6.8	7.1	6.8	12	12	11.1
100573	6.4	8.8	8.3	8.0	12	12	11.5
100673	6.6	7.3	7.2	6.8	11	12	10.8
100773	6.6	6.9	8.8	6.6	12	11	11.2
100873	6.4	8.4	7.8	7.3	11	12	9.8
100973	6.4	7.0	7.1	7.6	12	12	11.2
101073	6.5	7.1	7.0	6.4	12	12	11.2
101173	6.2	7.2	7.5	6.6	11	11	10.3
101273	6.6	7.3	7.3	8.0	12	12	10.5
101373	6.6	7.1	7.2	6.9	11	12	10.6
101473	6.6	7.0	7.3	6.8	12	12	10.8
101573	6.5	7.4	7.4	6.7	12	12	10.5
101673	6.8	7.0	7.1	7.1	11	11	10.4
101773	6.3	7.6	7.3	6.8	11	12	10.4
101873	6.4	6.9	7.0	6.7	12	12	9.9
101973	6.5	7.4	7.3	6.6	11	12	11.4
102073	6.5	7.0	6.9	6.7	12	12	10.8
102173	6.7	7.0	7.3	6.6	11	12	10.7
102273	6.6	7.2	7.4	6.8	12	12	10.9
102373	6.8	7.4	7.5	7.1	12	12	10.4
102473	6.7	7.6	7.4	7.2	12	12	10.0
102573	6.4	7.4	9.6	7.3	11	12	9.6
102673	6.4	7.1	7.0	7.9	12	12	10.8
50 PERCENT	6.6	7.2	7.3	6.8	12	12	10.7
10 PERCENT	6.8	8.3	8.5	8.0	12	12	11.3

MAXIMUM DAILY PH (PH UNITS)

DATE	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	21 SECOND STAGE LIME RECARB EFFLUENT	23 CARBON COLUMN EFFLUENT	27 CHEMICAL FLOCULATOR EFFLUENT	28 CHEMICAL - CLARIFIER EFFLUENT	30 CARBON COLUMN EFFLUENT	31 CONVENTIONAL A.S MIXED LIQUOR	32 H.P.O. - A.S. MIXED LIQUOR
100273	8.5	8.8	8.1	8.0	8.8	7.0	7.6
100373	8.2	6.9	7.5	7.2	7.1	7.0	6.4
100473	9.5	6.7	7.6	7.6	7.0	7.2	6.5
100573	9.9	7.0	7.3	8.5	6.9	7.0	6.8
100673	9.3	6.9	7.2	7.3	6.8	7.0	6.9
100773	8.4	7.0	8.9	9.0	6.4	6.6	7.8
100873	9.1	6.9	7.1	8.7	6.6	6.7	6.2
100973	11.0	8.0	7.7	7.8	6.7	7.0	6.4
101073	8.3	6.7	8.9	8.6	8.8	7.0	6.4
101173	8.2	6.7	6.8	7.4	8.4	6.9	6.4
101273	8.5	6.8	7.2	7.2	8.1	6.9	6.5
101373	8.0	7.0	7.2	7.2	7.9	7.0	6.4
101473	9.0	7.0	7.0	7.9	7.3	6.9	6.3
101573	8.5	6.7	7.2	7.2	7.4	7.1	6.4
101673	7.9	6.8	7.1	7.3	7.4	6.9	6.2
101773	9.2	6.6	8.0	8.0	7.7	7.2	6.1
101873	7.8	6.9	7.5	7.1	7.9	7.3	6.3
101973	9.2	6.7	7.7	7.6	7.5	7.1	6.4
102073	8.1	6.7	7.8	7.9	7.4	7.1	6.3
102173	7.5	6.7	8.9	8.8	7.2	7.0	6.6
102273	8.0	6.8	7.6	7.6	8.0	7.0	6.3
102373	8.4	7.1	7.4	7.6	7.8	6.9	6.4
102473	8.5	6.7	7.7	7.6	7.6	7.1	6.3
102573	8.0	6.8	7.3	8.9	7.8	7.0	6.4
102673	8.1	6.7	7.6	7.5	7.0	7.7	6.3
50 PERCENT	8.4	6.8	7.5	7.6	7.4	7.0	6.4
10 PERCENT	9.7	7.5	8.9	8.8	8.6	7.2	7.2

MINIMUM DAILY PH (PH UNITS)

DATE	NP + SE NON-SPECIFIC PROCESS	NP + SE NON-SPECIFIC PROCESS	NP + SE CONVENTIONAL A.S. PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS
	1 COMBINED RAW SEWAGE	4 PRIMARY CLARIFIER EFFLUENT - BIOLOGICAL PROCESS	5 CONVENTIONAL A.S EFFLUENT	6 CHEMICAL FLOCULATOR EFFLUENT	7 CHEMICAL CLARIFIER EFFLUENT	9 CARBON COLUMN EFFLUENT	10 H.P.O. - A.S. EFFLUENT
100273	5.5	6.4	6.6	6.7	6.6	8.4	6.1
100373	5.6	6.3	6.6	6.3	6.4	7.8	6.1
100473	6.2	6.4	6.1	6.8	6.6	7.4	6.0
100573	6.7	6.6	6.6	6.4	6.3	6.8	6.1
100673	6.7	6.7	6.3	6.6	6.3	7.3	5.9
100773	6.8	6.5	6.4	5.0	5.8	8.4	6.0
100873	6.7	6.7	6.3	5.6	5.9	7.0	6.1
100973	6.7	6.6	6.5	6.2	6.1	6.7	6.1
101073	6.7	6.7	6.5	6.5	6.5	6.8	6.1
101173	6.0	6.6	6.6	6.3	6.7	6.0	5.9
101273	5.8	6.7	6.6	6.6	6.9	6.4	6.1
101373	6.5	6.7	6.4	6.9	7.0	6.9	6.2
101473	6.4	6.8	6.6	6.7	6.5	6.7	6.2
101573	6.3	6.2	6.5	6.9	7.1	6.7	6.2
101673	6.6	6.3	6.7	6.7	6.7	6.7	6.2
101773	6.6	6.4	6.4	6.5	6.3	6.7	6.0
101873	6.6	6.7	6.5	7.1	7.1	7.1	6.1
101973	6.9	6.8	6.7	6.9	6.8	7.0	6.2
102073	6.2	6.6	6.6	6.7	6.8	7.0	6.1
102173	6.4	6.7	6.4	6.7	7.0	6.9	6.0
102273	6.9	6.9	6.6	6.2	6.5	7.1	6.2
102373	6.8	6.6	6.2	6.3	6.6	6.8	6.1
102473	6.8	6.6	6.6	6.4	6.6	7.0	6.2
102573	6.8	6.6	6.6	6.4	6.3	6.6	6.1
102673	6.8	6.8	6.7	6.7	6.2	6.4	6.1
50 PERCENT	6.6	6.6	6.6	6.6	6.6	6.9	6.1
10 PERCENT	6.8	6.8	6.7	6.9	7.0	8.0	6.2

MINIMUM DAILY PH (PH UNITS)

DATE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS
	12 CARBON COLUMN EFFLUENT	13 CHEMICAL FLOCULATOR EFFLUENT	14 CHEMICAL CLARIFIER EFFLUENT	16 CARBON COLUMN EFFLUENT	17 LIME FLOCULATOR EFFLUENT	18 LIME CLARIFIER EFFLUENT	20 RECARBONATION CLARIFIER EFFLUENT
100273	6.3	6.5	6.5	7.3	11	11	7.9
100373	6.3	6.2	6.3	6.7	11	11	7.4
100473	6.2	6.2	6.1	6.5	11	11	8.0
100573	6.2	5.1	5.1	6.4	11	11	8.7
100673	6.0	5.5	5.5	6.1	11	11	8.9
100773	6.1	5.0	5.2	6.1	11	11	8.6
100873	6.2	6.0	6.7	6.7	11	11	8.4
100973	6.2	5.6	6.1	6.4	11	11	9.3
101073	6.1	4.5	4.4	6.3	11	11	7.9
101173	6.2	6.2	6.6	6.3	11	11	7.5
101273	6.3	5.4	6.0	6.5	11	11	8.0
101373	6.4	6.0	6.2	6.7	11	11	7.9
101473	6.2	6.7	6.4	6.6	11	11	8.6
101573	6.2	6.4	6.3	6.3	11	11	8.8
101673	6.2	6.4	6.3	6.2	11	11	9.1
101773	6.0	5.4	6.3	6.3	11	11	9.1
101873	6.1	6.5	6.4	6.2	11	11	8.5
101973	6.2	6.0	6.0	6.2	11	11	7.9
102073	6.3	6.0	6.0	6.5	11	11	6.7
102173	6.2	6.3	6.3	6.4	11	11	8.4
102273	6.2	6.0	5.9	6.5	11	11	8.4
102373	6.2	6.7	6.5	6.6	11	11	7.9
102473	6.2	6.5	6.5	6.7	11	11	8.0
102573	6.2	6.6	6.6	7.2	11	11	8.4
102673	6.2	6.4	6.4	7.6	11	11	7.8
50 PERCENT	6.2	6.2	6.3	6.5	11	11	8.4
10 PERCENT	6.3	6.6	6.6	7.2	11	11	9.1

MINIMUM DAILY PH (PH UNITS)

DATE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 27 CHEMICAL FLOCULATOR EFFLUENT	NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	NP + SE CONVENTIONAL A.S. PROCESS 31 CONVENTIONAL A.S MIXED LIQUOR	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 32 H.P.O. - A.S. MIXED LIQUOR
100273	6.3	6.6	6.6	6.5	7.5	6.5	6.0
100373	6.2	6.4	6.8	6.7	6.9	6.6	6.1
100473	6.2	6.3	6.5	6.5	6.6	6.6	6.3
100573	6.1	6.4	6.1	6.2	6.4	6.6	6.3
100673	6.4	6.5	6.7	6.5	6.1	6.4	6.6
100773	6.4	6.8	6.6	6.6	6.1	6.3	5.9
100873	6.3	6.6	6.4	6.3	6.2	6.3	6.0
100973	6.4	6.5	6.5	6.6	6.2	6.3	5.5
101073	5.9	6.4	6.7	6.6	6.5	6.4	5.7
101173	6.4	6.2	6.6	4.4	8.0	6.5	6.0
101273	6.2	6.4	6.5	6.7	6.8	6.6	6.3
101373	6.6	6.7	6.3	6.3	7.3	6.5	5.6
101473	6.0	6.7	6.8	6.5	6.3	6.6	5.9
101573	6.1	6.4	6.8	6.4	6.8	6.5	5.6
101673	6.0	6.2	6.5	6.3	6.7	6.5	6.1
101773	6.3	6.1	5.3	6.3	7.0	6.4	5.8
101873	6.4	6.5	6.6	6.8	7.1	6.6	5.8
101973	6.3	6.2	6.7	6.6	7.0	6.7	6.0
102073	6.3	6.4	6.5	6.6	6.8	6.5	6.1
102173	6.3	6.4	6.9	7.0	6.2	6.5	5.8
102273	6.4	6.5	6.9	6.7	7.2	6.6	5.8
102373	6.0	6.2	6.5	6.6	6.8	6.4	5.8
102473	6.2	6.3	6.5	6.6	6.7	6.6	5.4
102573	6.2	6.3	6.5	6.5	7.0	6.6	6.1
102673	6.6	6.5	7.0	6.9	6.8	7.4	6.1
50 PERCENT	6.3	6.4	6.6	6.6	6.8	6.5	6.0
10 PERCENT	6.5	6.7	6.9	6.8	7.4	6.6	6.3

TEMPERATURE DEGREES CENTIGRADE

DATE	NP + SE NON-SPECIFIC PROCESS 1 COMBINED RAW SEWAGE
100273	20
100373	22
100473	22
100573	21
100673	21
100773	20
100873	20
100973	21
101073	21
101173	22
101273	22
101373	21
101473	22
101573	21
101673	21
101773	22
101873	22
101973	22
102073	22
102173	22
102273	21
102373	19
102473	21
102573	21
102673	21
50 PERCENT	21
10 PERCENT	22

CARBON DIOXIDE SCFM

DATE	NP + SE FERRIC PLUS LIME PROCESS 19 FIRST STAGE LIME RECARB EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT
100273	6.2	4.2
100373	3.3	3.9
100473	3.4	3.7
100573	2.8	2.4
100673	2.8	2.1
100773	2.5	1.9
100873	2.6	2.0
100973	2.6	2.5
101073	7.3	3.6
101173	4.8	3.3
101273	4.1	3.1
101373	3.1	3.4
101473	3.6	3.6
101573	3.8	4.4
101673	3.3	7.2
101773	3.6	3.7
101873	4.3	2.1
101973	7.4	3.9
102073	5.3	4.2
102173	3.8	3.6
102273	3.4	2.9
102373	3.5	4.5
102473	2.8	5.5
102573	3.6	4.9
102673	4.3	3.4
50 PERCENT	3.6	3.6
10 PERCENT	6.6	5.1

NUMBER OF PROCESS RUNS EACH DAY

DATE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 15 FILTER EFFLUENT
100273					1.0
100373	1.0		1.0		
100473	1.0			1.0	1.0
100573		1.0		1.0	1.0
100673			1.0		1.0
100773				1.0	1.0
100873		1.0			
100973	1.0		1.0		
101073				2.0	
101173		1.0		2.0	1.0
101273		1.0	1.0	1.0	1.0
101373	1.0				1.0
101473			1.0		1.0
101573		1.0		1.0	1.0
101673	1.0	1.0			1.0
101773			1.0		1.0
101873				1.0	2.0
101973	1.0		1.0		1.0
102073			1.0		2.0
102173	1.0	1.0	1.0		1.0
102273					2.0
102373			1.0		2.0
102473					2.0
102573	1.0				1.0
102673			2.0		
50 PERCENT	1.0	1.0	1.0	1.0	1.0
10 PERCENT	0.0	0.0	1.0	0.0	2.0

NUMBER OF PROCESS RUNS EACH DAY

DATE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100273	1.0			1.0	
100373		1.0	1.0	1.0	1.0
100473	1.0	1.0	2.0	1.0	1.0
100573	1.0		1.0	1.0	1.0
100673				2.0	1.0
100773	1.0	1.0	1.0		1.0
100873	2.0			1.0	1.0
100973	1.0		1.0	1.0	1.0
101073	1.0	1.0		1.0	1.0
101173			1.0	1.0	2.0
101273	1.0		1.0	3.0	1.0
101373	3.0	1.0	1.0		
101473			1.0	2.0	1.0
101573	2.0		1.0	1.0	
101673	1.0		1.0	2.0	1.0
101773			2.0	1.0	2.0
101873	1.0		2.0	2.0	2.0
101973	1.0		1.0	2.0	1.0
102073	1.0		1.0	2.0	2.0
102173		1.0	1.0	1.0	1.0
102273	1.0		1.0	2.0	1.0
102373	1.0			1.0	2.0
102473	2.0		1.0	3.0	1.0
102573	1.0		1.0	1.0	1.0
102673		1.0	1.0	1.0	
50 PERCENT	1.0	1.0	1.0	1.0	1.0
10 PERCENT	2.1	0.0	2.0	2.6	2.0

PROCESS RUN LENGTH (HOURS)

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 15 FILTER EFFLUENT
100273	2100					16.8
100373	0900	34		33		25.0
100473	1400				72.0	
	2200				3.6	
100573	0100	40	74			21.0
	1900			73		
100673	1000					16.0
	1700				57.5	
100773	1100					17.0
	1500					
100873	1100		82			30.0
100973	0300	95		81		
	2100					17.0
101073	0300				60.8	
	0400				5.3	
	0900					16.0
101173	0500		86			
	0600				20.0	
	0900				3.5	
	1400				20.3	
101273	1000		28			21.3
	1100			69		
	1800					31.0
101373	0300	94				9.0
	2100					
101473	0600			48		
	1900				71.0	
101573	0900		71			17.5
	1400					

PROCESS RUN LENGTH (HOURS)

(CONTINUED)

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS
		8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	15 FILTER EFFLUENT
101673	1000	66	25			
	1700					17.0
101773	1100					14.0
101873	0000			78		
	0500					13.5
	1800				81.3	
	2200					17.0
101973	0600					7.5
102073	0300					20.0
	2100					17.5
102173	0600	60				
	0900					12.0
	1000			82		
	1800		129			
102273	0500					12.5
	1400					7.5
102373	0500					11.0
	1100			49		
	2200					17.0
102473	1100					13.0
	2100					9.3
102573	1000	100				
	1100					11.3
102673	0600			67		
	1900					10.5
102773	0000	38	136	16	206.0	
50 PERCENT		63	77	68	57.5	16.4
10 PERCENT		0	0	82	181.0	25.5

PROCESS RUN LENGTH (HOURS)

DATE	TIME	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
		16 CARBON COLUMN EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	1000				8.0	
	1400	7.8				
100373	0600			0.0		
	1200					35.6
	1300				16.0	
	1700		42			
100473	0600			4.0	12.0	
	1500				8.5	26.3
	1800		24			
	2200	56.6		5.3		
100573	1400					23.3
	1900				19.3	
	2100	23.6		3.5		
100673	0900				9.5	
	2100				8.0	20.0
100773	0100			8.0		
	1100	26.0				14.0
	1600		70			
100873	0600	19.0			29.0	
	1700					24.0
	2200	16.0				
100973	1400				22.0	
	1800					22.0
	1900	27.0		6.8		

PROCESS RUN LENGTH (HOURS)

(CONTINUED)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
101073	1100		65			
	1300				16.5	
	1500	19.8				20.5
101173	0500				9.3	9.5
	0900			5.8		4.0
101273	0600				15.5	
	0800	31.0		2.5		
	0900					13.5
	1000				2.8	
101373	0000				9.5	
	0300	18.6				
	1000			6.0		
	1400	11.0				
	1800	4.0	79			
	2100				11.5	
101473	0100				4.5	
	0500			9.5		45.1
	2100				14.0	
101573	0600	25.0				13.0
	0600			7.0		
	1400				10.5	
	1800	12.3				
101673	0600				8.0	
	0800			4.0		

PROCESS RUN LENGTH (HOURS)

(CONTINUED)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
101673	0900	6.5				15.3
	2300				12.0	
101773	0600			2.0		17.0
	1400				11.0	
	1900			2.3		
	2000					18.0
101873	0500				11.2	
	1000			5.8		
	1100	39.0				8.8
	1800				12.0	
	2200			1.5		11.6
101973	0300				5.0	
	1400			6.0		
	1700	30.8				
	2100				17.8	
	2200					23.0
102073	0200					5.3
	0500	10.0		5.0		
	0600				9.0	
	1800				10.3	15.0
102173	0600				12.0	
	0900			8.0		
	1000					15.8
	1700		166			

PROCESS RUN LENGTH (HOURS)

(CONTINUED)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
102273	0500				12.0	
	0900				3.3	
	1000	46.0		5.0		
	1100					15.5
102373	1100	19.5				20.5
	1800				15.3	
	2200					10.0
102473	0600				10.3	
	1000	22.8				12.0
	1200				6.3	
	1400			5.5		
	1700	7.8				
	2100				8.5	
102573	1000	14.3				21.3
	1400				12.6	
	2200			2.0		
102673	1400				15.0	
	1800			9.8		
	1900				5.5	
	2200		125			
102773	0000	30.0		6.0		32.0
50 PERCENT		19.6	70	3.8	11.0	16.4
10 PERCENT		42.5	0	1.3	18.0	32.4

AVERAGE PROCESS RUN RATE (GAL/FT2/MIN)

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 15 FILTER EFFLUENT
100273	2100					4.0
100373	0900			3.9		
100473	1400					3.6
	2200				3.1	
100573	0100	3.8	3.0		3.0	
	1900					3.6
100673	1000			3.7		
	1700					3.8
100773	1100				2.9	
	1500					4.0
100873	1100		2.9			
100973	0300	3.8				3.8
	2100			3.7		
101073	0300					3.4
	0400				3.0	
	0900				3.0	
101173	0500		2.9			
	0600					3.9
	0900				3.0	
	1400				3.1	
101273	1000		3.2		3.1	
	1100					4.0
	1800			3.8		
101373	0300	3.9				
	2100					3.8
101473	0600					3.7
	1800			3.7		
101573	0900		3.1		3.2	
	1400					3.8

AVERAGE PROCESS RUN RATE (GAL/FT2/MIN)

(CONTINUED)

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 15 FILTER EFFLUENT
101673	1000	3.9	2.8			
	1700					3.6
101773	1100					3.8
101873	0000			3.8		
	0500					4.1
	1800				3.0	
	2200					3.7
101973	0600					3.5
102073	0300					3.7
	2100					4.0
102173	0600	3.9				
	0900					3.5
	1000			3.9		
	1800		2.9			
102273	0500					3.5
	1400					3.4
102373	0500					3.6
	1100			3.6		
	2200					3.9
102473	1100					3.6
	2100					3.7
102573	1000	3.8				
	1100					3.7
102673	0600			3.8		
	1900					3.7
102773	0000	3.8		3.5		
50 PERCENT		3.8	2.9	3.7	3.0	3.7
10 PERCENT		0.0	0.0	3.9	3.2	4.0

AVERAGE PROCESS RUN RATE (GAL/FT2/MIN)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100273	1000				3.8	
	1400	3.1				
100373	0600			2.9		
	1200					2.9
	1300				3.9	
	1700		3.9			
100473	0600			2.9	3.8	
	1500				3.9	3.1
	1800		3.9			
	2200	3.1		3.1		
100573	1400					4.0
	1900				3.8	
	2130	3.0		3.0		
100673	0900				4.0	
	2100				3.6	3.0
100773	0100			2.9		
	1100	2.9				3.1
	1600		3.9			
100873	0600	3.1			2.7	
	1700					3.0
	2200	2.9				
100973	1400				3.6	
	1800					2.9
	1900	2.9		2.9		
101073	1100		4.1			
	1300				3.4	
	1500	2.8				2.9
101173	0500				3.7	2.8
	0900			3.2		3.2
101273	0600				3.9	
	0800	2.9		2.9		

AVERAGE PROCESS RUN RATE (GAL/FT2/MIN)

(CONTINUED)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
101273	0900					3.3
101373	0000				3.6	
	0300	3.1				
	1000			2.9		
	1400	3.0				
	1800	3.1	3.7			
	2100				3.6	
101473	0500			2.9		
	2100				3.8	
101573	0600	2.9				3.1
	0800			2.9		
	1400				3.1	
	1800	2.9				
101673	0600				3.9	
	0800			2.9		
	0900	2.9				3.0
	2300				3.2	
101773	0600			3.0		3.1
	1400				3.7	
	1900			2.8		
	2000					2.9
101873	0500				4.1	
	1000			2.9		
	1100	3.4				2.9
	1800				3.6	
	2200			2.9		2.9
101973	0300				2.0	
	1400			2.9		
	1700	3.1				
	2100				3.9	

AVERAGE PROCESS RUN RATE (GAL/FT2/MIN)

(CONTINUED)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
102073	0200					3.0
	0500	3.1		2.8		
	0600				3.8	
	1800				3.9	2.9
102173	0600				3.9	
	0900			3.0		
	1000					2.9
	1700		4.0			
102273	0500				3.1	
	0900				3.1	
	1000	3.1		2.9		
	1100					2.9
102373	1100	2.9				2.9
	1800				3.9	
	2200					3.2
102473	0600				4.0	
	1000	2.9				2.9
	1200				4.1	
	1400			2.9		
	1700	2.8				
	2100				3.9	
102573	1000	3.3				2.9
	1400				4.0	
	2200			2.8		
102673	1400				3.5	
	1800			2.9		
	1900				3.7	
	2200		3.9			
50 PERCENT		3.0	3.9	2.9	3.8	2.9
10 PERCENT		3.2	0.0	3.1	4.0	3.2

TOTAL PROCESS FLOW (GALS)

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 15 FILTER EFFLUENT
100273	2100					670
100373	0900	1,320		1,307		
100473	1400					902
	2200				630	
100573	0100	1,501	1,854		90	
	1900					769
100673	1000			2,697		
	1700					606
100773	1100				1,420	
	1500					683
100873	1100		2,046			
100973	0300	3,663				1,140
	2100			2,997		
101073	0300					577
	0400				1,530	
	0900				132	
101173	0500		2,079			
	0600					630
	0900				504	
	1400				92	
101273	1000		742		527	
	1100					850
	1800			2,624		
101373	0300	3,680				
	2100					1,179
101473	0600					333
	1800			1,786		
101573	0900		1,873		1,927	
	1400					659

TOTAL PROCESS FLOW (GALS)

(CONTINUED)

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 15 FILTER EFFLUENT
101673	1000	2,529	582			
	1700					618
101773	1100					539
101873	0000			2,948		
	0500					554
	1800				2,049	
	2200					628
101973	0600					262
102073	0300					740
	2100					702
102173	0600	2,344				
	0300					424
	1000			3,188		
	1800		3,200			
102273	0500					437
	1400					254
102373	0500					396
	1100			1,773		
	2200					663
102473	1100					475
	2100					349
102573	1000	3,780				
	1100					416
102673	0600			2,546		
	1900					388
102773	0000	1,436	3,335	574	5,052	
50 PERCENT		2,436	1,959	2,585	630	612
10 PERCENT		0	0	3,169	4,451	926

TOTAL PROCESS FLOW (GALS)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100273	1000				305	
	1400	199				
100373	0600			730		
	1200					868
	1300				632	
	1700		1,634			
100473	0600			584	464	
	1500				336	682
	1800		953			
	2200	417		402		
100573	1400					796
	1900				735	
	2100	598		594		
100673	0900				380	
	2100				292	504
100773	0100			680		
	1100	684				367
	1600		2,779			
100873	0600	499			783	
	1700					607
	2200	389				
100973	1400				802	
	1800					536
	1900	670		1,626		
101073	1100		2,669			
	1300				561	
	1500	468				508
101173	0500				3,420	227
	0900			965		106
101273	0600				618	
	0800	755		561		

TOTAL PROCESS FLOW (GALS)

(CONTINUED)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
101273	0900					372
101373	0000				342	
	0300	483				
	1000			647		
	1400	277				
	1800	103	2,920			
	2100				409	
101473	0500			472		
	2100				539	
101573	0600	603				337
	0800			664		
	1400				320	
	1800	301				
101673	0600				313	
	0800			588		
	0900	162				391
	2300				384	
101773	0600			554		442
	1400				407	
	1900			288		
	2000					438
101873	0500				459	
	1000			386		
	1100	1,113				215
	1800				429	
	2200			278		282
101973	0300				100	
	1400			389		
	1700	802				
	2100				692	
	2200					598

TOTAL PROCESS FLOW (GALS)

(CONTINUED)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
102073	0200					134
	0500	260		352		
	0600				346	
	1800				399	375
102173	0600				468	
	0900			705		
	1000					394
	1700		6,640			
102273	0500				374	
	0900				102	
	1000	1,193		65		
	1100					383
102373	1100	474				498
	1800				595	
	2200					268
102473	0600				410	
	1000	553				292
	1200				257	
	1400			1,838		
	1700	183				
	2100				335	
102573	1000	396				518
	1400				504	
	2200			767		
102673	1400				525	
	1800			481		
	1900				204	
	2200		4,894			
102773	0000	826		151		824
50 PERCENT		479	2,779	573	409	394
10 PERCENT		970	0	1,296	754	802

FINAL HEAD LOSS (FILTER INCHES CC PSI)

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 15 FILTER EFFLUENT
100273	2100					7.0
100373	0900	9.0		6.8		
100473	1400					8.0
	2200				5.0	
100573	0100	9.0	8.0		11.0	
	1900					16.5
100673	1000			8.0		
	1700					16.5
100773	0300	14.5				
	1100				5.0	
	1500					16.0
100873	1100		5.0			
100973	0500	0.6				24.0
	2100			8.0		
101073	0300					17.5
	0400				5.0	
	0900				4.0	
101173	0500		4.0			
	0600					14.0
	0900				4.0	
	1400				2.0	
101273	1000		0.0		3.0	
	1100		4.0			16.5
	1800			8.0		
101373	0300	15.0				
	2100					13.8
101473	0600					15.5
	1800			7.0		
101573	0900		2.0		2.0	

FINAL HEAD LOSS (FILTER INCHES CC PSI)

(CONTINUED)

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS
		8 FILTER EFFLUENT	9 CARBON COLUMN EFFLUENT	11 FILTER EFFLUENT	12 CARBON COLUMN EFFLUENT	15 FILTER EFFLUENT
101573	1400					31.0
101673	1000	11.0				
	1700					14.5
101773	1100					14.0
101873	0000			14.0		
	0500					16.0
	1800				3.0	
	2200					14.5
101973	0600					18.0
102073	0300					14.6
	2100					15.5
102173	0600	13.8				
	0900					13.5
	1000			11.0		
	1800		4.0			
102273	0500					19.5
	1400					15.0
102373	0500					19.0
	1100			8.0		
	2200					14.0
102473	1100					21.0
	2100					17.0
102573	1000	13.5				
	1100					16.5
102673	0600			7.0		
	1900					13.0
50 PERCENT		12.2	4.0	8.0	4.0	15.7
10 PERCENT		0.0	0.0	14.0	10.4	21.3

FINAL HEAD LOSS (FILTER INCHES CC PSI)

DATE	TIME	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
		16 CARBON COLUMN EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
100273	1000				28.0	
	1400	7.0				
100373	0600			8.0		
	1200					4.0
	1300				6.5	
	1700		7.0			
100473	0600			6.0	7.5	
	1500				8.3	6.0
	1800		8.0			
	2200	6.0		5.0		
100573	1400					5.0
	1900				18.0	
	2100	10.0		6.0		
100673	2100				22.0	5.0
100773	0100			2.0		
	1100	8.0				5.0
	1600		15.0			
100873	0600	6.0			14.0	
	1700					5.0
	2200	2.0				
100973	1400				18.0	
	1800					10.0
	1900	5.0		5.0		
101073	1100		13.5			
	1300				16.0	
	1500	6.0				6.0
101173	0500				14.0	7.0
	0900			5.0		7.0
101273	0600				14.0	
	0800	4.0		4.0		
	0900					5.0

FINAL HEAD LOSS (FILTER INCHES CC PSI)

(CONTINUED)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
101273	1000				30.0	
101373	0000				18.0	
	0300	6.0				
	1000			5.0		
	1400	6.0				
	1800	0.0	14.0			
	2100				17.0	
101473	0100				32.0	
	0500			6.0		6.0
	2100				14.0	
101573	0600	4.0				5.0
	0800			5.0		
	1400				26.0	
	1800	6.0				
101673	0600				18.0	
	0800			4.0		
	0900	2.0				4.0
	2300				30.0	
101773	0600			5.0		6.0
	1400				20.0	
	1900			5.0		
	2000					8.0
101873	0500				13.0	
	1000			5.0		
	1100	5.0				6.0
	1800				15.0	
	2200			4.0		4.0
101973	0300				35.0	
	1400			6.0		
	1700	4.0				
	2100				13.5	

FINAL HEAD LOSS (FILTER INCHES CC PSI)

(CONTINUED)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
101973	2200					3.0
102073	0200					3.0
	0500			7.0		
	0600				20.0	
	1800				16.0	4.0
102173	0600				23.0	
	0900			5.0		
	1000					6.0
	1700		14.0			
102273	0500				35.0	
	0900				23.5	
	1000	7.0		6.0		
	1100					8.0
102373	1100	14.0				6.0
	1800				14.0	
	2200					5.0
102473	0600				18.0	
	1000	12.0				7.0
	1200				25.0	
	1400			4.0		
	1700	6.0				
	2100				20.0	
102573	1000	5.0				6.0
	1400				11.5	
	2200			5.0		
102673	1400				25.0	
	1800			5.0		
	1900				3.0	
	2200		15.0			
50 PERCENT		6.0	14.0	5.0	18.0	6.0
10 PERCENT		11.4	0.0	6.6	30.6	8.0

TOTAL PROCESS BACKWASH (GAL)

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 15 FILTER EFFLUENT
100273	2100					46.0
100373	0900	20.0		24		
100473	1400					30.0
	2200				30	
100573	0100	10.0	28		42	
	1900					76.0
100673	1000			50		
	1700					79.0
100773	1100				60	
	1500					90.0
100873	1100		18			
100973	0300	16.0				57.0
	2100			18		
101073	0300					38.0
	0400				30	
	0900				45	
101173	0500		15			
	0600					15.0
	0900				28	
	1400				30	
101273	1000		15		21	
	1100					54.0
	1800			16		
101373	0300	35.0				
	2100					46.0
101473	0600					32.0
	1800			20		
101573	0900		24		30	

TOTAL PROCESS BACKWASH (GAL)

(CONTINUED)

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	NP + SE FERRIC PROCESS 15 FILTER EFFLUENT
101573	1400					57.0
101673	1000	58.0	15			
	1700					28.0
101773	1100					27.0
101873	0000			16		
	0500					37.0
	1800				30	
	2200					19.0
101973	0600					22.0
102073	0300					60.0
	2100					30.0
102173	0600	20.0				
	0900					13.0
	1000			16		
	1800		30			
102273	0500					94.0
	1400					37.0
102373	0500					22.0
	1100			26		
	2200					35.0
102473	1100					10.0
	2100					41.0
102573	1000	16.0				
	1100					32.0
102673	0600			13		
50 PERCENT		20.0	17	18	30	37.0
10 PERCENT		0.0	0	50	58	90.8

TOTAL PROCESS BACKWASH (GAL)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
100273	1000				49	
	1400	60.0				
100373	0600			15.0		
	1200					18.0
	1300				29	
	1700		95			
100473	0600			15.0	24	
	1500				87	30.0
	1800		64			
	2200	15.0		15.0		
100573	1400					30.0
	1900				90	
	2100	20.0		20.0		
100673	0900				74	
	2100				96	20.0
100773	0100			35.0		
	1100	45.0				30.0
	1600		45			
100873	0600	28.0			93	
	1700					20.0
	2200	30.0				
100973	1400				32	
	1800					15.0
	1900	15.0		15.0		
101073	1100		82			
	1300				58	
	1500	15.0				24.0
101173	0500				90	20.0
	0900			15.0		30.0
101273	0600				81	
	0800	39.0		36.0		

TOTAL PROCESS BACKWASH (GAL)

(CONTINUED)

DATE	TIME	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT
101273	0900					42.0
	1000				20	
101373	0000				34	
	0300	45.0				
	1000			22.5		
	1400	30.0				
	1800	90.0	64			
	2100				58	
101473	0100				39	
	0500			16.0		57.0
	2100				41	
101573	0600	45.0				45.0
	0800			33.0		
	1400				22	
	1800	45.0				
101673	0600				32	
	0800			30.0		
	0900	30.0				39.0
	2300				17	
101773	0600			45.0		60.0
	1400				21	
	1900			24.0		
	2000					42.0
101873	0500				35	
	1000			22.5		
	1100	37.5				40.0
	1800				45	
	2200			24.0		30.0
101973	0300				55	
	1400			3.5		
	1700	6.0				

TOTAL PROCESS BACKWASH (GAL)

(CONTINUED)

DATE	TIME	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS	NP + SE HIGH ALUM PROCESS
		16 CARBON COLUMN EFFLUENT	22 FILTER EFFLUENT	23 CARBON COLUMN EFFLUENT	29 FILTER EFFLUENT	30 CARBON COLUMN EFFLUENT
101973	2100				23	
	2200					30.0
102073	0200					10.0
	0500	15.0		18.0		
	0600				56	
	1800				28	36.0
102173	0600				99	
	0900			20.0		
	1000					30.0
	1700		27			
102273	0500				78	
	0900				22	
	1000	40.0		30.0		
	1100					40.0
102373	1100	40.0				30.0
	1800				35	
	2200					30.0
102473	0600				26	
	1000	30.0				30.0
	1200				32	
	1400			30.0		
	1700	45.0				
	2100				42	
102573	1000	18.0				27.0
	1400				25	
	2200			30.0		
102673	1400				56	
	1800			45.0		
	2200		40			
50 PERCENT		30.0	64	22.5	40	30.0
10 PERCENT		54.0	0	41.4	91	47.4

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	NP + SE FERRIC PROCESS	NP + SE FERRIC PLUS LIME PROCESS	NP + SE HIGH ALUM PROCESS
		8 FILTER EFFLUENT	11 FILTER EFFLUENT	15 FILTER EFFLUENT	22 FILTER EFFLUENT	29 FILTER EFFLUENT
100273	1000					1.0
	2100			0.8		
100373	0900	0.5	1.8			
	1300					2.0
	1700				1.2	
100473	0600					0.3
	1400			0.7		
	1500					0.5
	1800				0.8	
100573	0100	0.5				
	1900			3.7		3.6
100673	0900					3.0
	1000		30.0			
	1700			0.9		
	2100					2.3
100773	1500			0.7		
	1600				0.4	
100873	0600					0.3
100973	0300	0.3		0.9		
	1400					0.4
	2100		9.0			
101073	0300			1.5		
	1100				0.2	
	1300					10.0
101173	0500					3.0

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

(CONTINUED)

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT	NP + SE FERRIC PROCESS 15 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT
101173	0600			1.0		
101273	0600					1.0
	1100			0.9		
	1800		6.0			
101373	0000					6.0
	0500	2.0				
	1800				0.1	
	2100			2.7		3.7
101473	0100					2.0
	0600			0.7		
	1800		1.5			
	2100					1.5
101573	1400			3.0		
101673	0600					0.6
	1000	1.9				
	1700			1.5		
101773	1100			0.9		
	1400					2.0
101873	0000		1.6			
	0500			1.4		1.4
	1800					9.5
	2200			2.9		
101973	0600			1.1		
	2100					3.0
102073	0300			0.9		

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

(CONTINUED)

DATE	TIME	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 8 FILTER EFFLUENT	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 11 FILTER EFFLUENT	NP + SE FERRIC PROCESS 15 FILTER EFFLUENT	NP + SE FERRIC PLUS LIME PROCESS 22 FILTER EFFLUENT	NP + SE HIGH ALUM PROCESS 29 FILTER EFFLUENT
102073	0600					0.9
	1800					16.0
	2100			0.7		
102173	0600	1.4				0.9
	0900			0.7		
	1000		1.5			
	1700				0.3	
102273	0900					1.9
	1400			1.5		
102373	0500			1.8		
	1100		0.9			
	1800					3.5
	2200			2.9		
102473	0600					0.6
	1100			0.6		
	2100			1.4		0.1
102573	1000	1.1				
	1400					20.0
102673	0600		3.0			
	1400					11.0
	1900			0.9		3.8
	2200				0.9	
102773	0000	1.7	1.9			
50 PERCENT		1.2	1.8	0.9	0.4	2.0
10 PERCENT		0.0	27.9	2.9	0.0	10.8

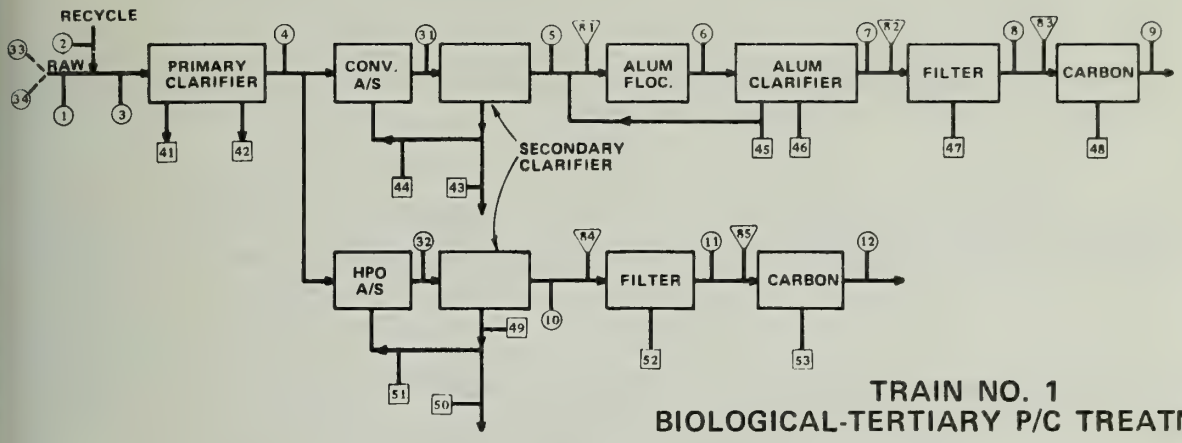
APPENDIX K

NORTH POINT - SOUTHEAST TEST DATA

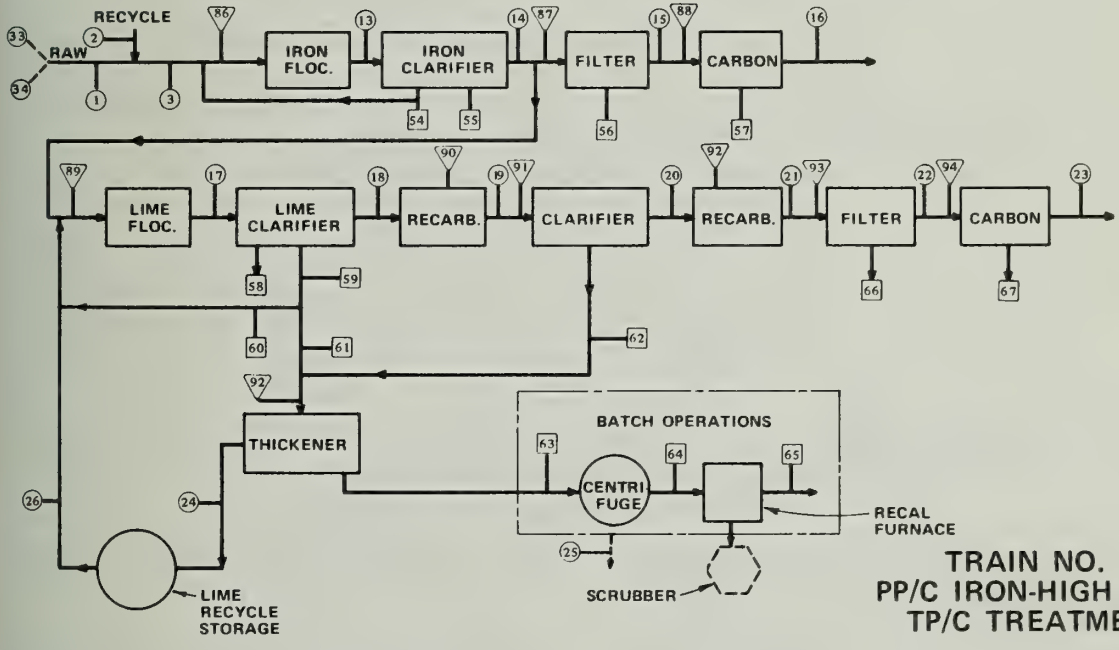
COEFFICIENT OF RELIABILITY

LOW LEVEL (50%) REQUIREMENTS

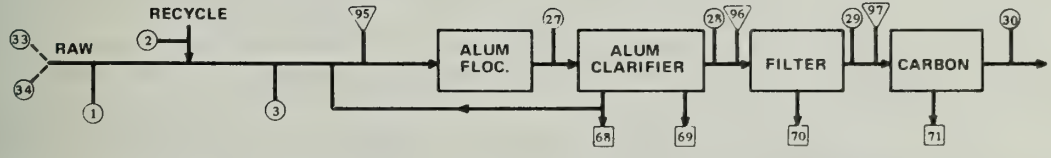
	Page
Arsenic	1
Cadmium	4
Total Chromium	7
Copper	10
Cyanide	13
Lead	16
Mercury	19
Nickel	22
Silver	25
Zinc	28
5-Day BOD	31
Oil and Grease	37
Phenol	49
Ammonia-Nitrogen	52
Floatables	58
Settleable Solids	64
Total Suspended Solids	70
Average Turbidity	88
96-Hour - Toxicity Units	100
Total Chlorinated Hydrocarbons	103



TRAIN NO. 1
BIOLOGICAL-TERTIARY P/C TREATMENT



TRAIN NO. 2
PP/C IRON-HIGH LIME TP/C TREATMENT



TRAIN NO. 3
TERTIARY PHYSICAL/CHEMICAL TREATMENT

NOTES:

- ① TO ㉞ LIQUID STREAM DATA POINTS
- 41 TO 71 SOLID OR WASTE DATA POINTS
- 81 TO 97 CHEMICAL ADDITION POINTS
- ---- INDICATES NP + SE
- ㉝ SE RAW
- ㉞ NP RAW

SOUTHEAST PILOT PLANT
PROCESS TRAINS AND DATA COLLECTION POINTS

KEY

DATA REVIEW (RVEW) AND CORRELATION COEFFICIENT (CORL) OUTPUT

SE — Phase of Pilot Plant Study during which waste treatment alternatives were investigated for Southeast sewage.

NP+ SE — Phase of Pilot Plant during which waste treatment alternatives were investigated for North Point (75%) plus Southeast (25%) combined sewage.

Date — Date of Sample collection

Non-Specific Process - Sample stations not associated with a particular treatment process. Normally raw sewage or preliminary treated effluent.

A.S. — Activated Sludge Process

H.P.O. — High Purity Oxygen Process

50 Percent - Median value of data set

10 Percent - Value at which 10 percent of the ordered data values are larger and 90 percent of the data values are smaller.

Range (R) - Constituent range of middle 80% of data. Used in calculation of the coefficient of reliability.

Displacement (d) - Constituent displacement from 10 percentile number and given standard.

Standard(s) - Regulatory Standard to which data is compared.

Coefficient of Reliability (Cr) - Arbitrary index to measure efficiency of removal for given constituent and treatment process. Computed from $CR = \frac{1}{R} \times d$. Has range of $-\infty$ to $+\infty$. Negative values indicate noncompliance with standard.

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54	1.0	61.54	1.5	61.54
2.0	53.85	1.0	53.85	1.6	53.85	2.0	53.85
2.9	46.15	1.0	46.15	2.0	46.15	2.0	46.15
2.9	38.46	1.0	38.46	2.0	38.46	2.3	38.46
3.0	30.77	1.0	30.77	2.0	30.77	2.5	30.77
3.0	23.08	1.1	23.08	3.0	23.08	2.5	23.08
3.2	15.38	1.3	15.38	3.7	15.38	3.0	15.38
4.0	7.69	2.0	7.69	4.0	7.69	4.0	7.69
STANDARD	10.0		10.0		10.0		10.0
NUMBER	13		13		13		13
RANGE	2.76		0.79		2.91		2.70
DISPLACEMENT	6.24		8.21		6.09		6.30
COEF REL	2.2609		10.3924		2.0928		2.3333

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54	1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85	1.0	53.85	1.0	53.85
1.0	46.15	1.0	46.15	1.0	46.15	1.0	46.15
1.0	38.46	1.0	38.46	1.0	38.46	1.0	38.46
1.7	30.77	2.0	30.77	1.0	30.77	1.0	30.77
2.0	23.08	2.0	23.08	1.0	23.08	1.0	23.08
2.0	15.38	2.5	15.38	2.3	15.38	1.1	15.38
4.6	7.69	3.0	7.69	3.0	7.69	2.0	7.69
STANDARD	10.0		10.0		10.0		10.0
NUMBER	13		13		13		13
RANGE	2.82		1.85		1.79		0.73
DISPLACEM	6.18		7.15		7.21		8.27
COEF REL	2.1915		3.8649		4.0279		11.3288

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85
1.0	46.15	1.5	46.15
1.3	38.46	1.8	38.46
2.0	30.77	4.0	30.77
2.0	23.08	5.0	23.08
2.3	15.38	6.3	15.38
2.3	7.69	21.0	7.69
STANDARD	10.0		10.0
NUMBER	13		13
RANGE	1.30		15.59
DISPLACEM	7.70		-6.59
COEF REL	5.9231		-0.4227

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.8	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.1	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.1	69.23	1.0	69.23
1.0	61.54	1.0	61.54	1.2	61.54	1.0	61.54
1.2	53.85	1.0	53.85	1.3	53.85	1.0	53.85
1.6	46.15	1.0	46.15	1.3	46.15	1.0	46.15
1.7	38.46	1.0	38.46	1.5	38.46	1.0	38.46
1.9	30.77	1.0	30.77	1.5	30.77	1.0	30.77
2.2	23.08	1.0	23.08	1.5	23.08	1.0	23.08
2.5	15.38	1.0	15.38	1.5	15.38	1.3	15.38
17.0	7.69	1.0	7.69	1.6	7.69	1.3	7.69
STANDARD	20.0		20.0		20.0		20.0
NUMBER	13		13		13		13
RANGE	11.65		0.00		0.57		0.30
DISPLACEMENT	7.35		19.00		18.43		18.70
COEF REL	0.6309		9999.9968		32.3333		62.3333

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.7	100.00	0.4	100.00	0.1	100.00	0.5	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54	1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85	1.0	53.85	1.0	53.85
1.0	46.15	1.0	46.15	1.0	46.15	1.0	46.15
1.0	38.46	1.0	38.46	1.0	38.46	1.0	38.46
1.0	30.77	1.0	30.77	1.0	30.77	1.0	30.77
1.0	23.08	1.0	23.08	1.0	23.08	1.0	23.08
1.5	15.38	1.5	15.38	1.0	15.38	1.0	15.38
2.5	7.69	1.7	7.69	1.0	7.69	1.0	7.69
STANDARD	20.0		20.0		20.0		20.0
NUMBER	13		13		13		13
RANGE	1.20		0.64		0.00		0.00
DISPLACEM	17.80		18.36		19.00		19.00
COEF REL	14.8333		28.6875		9999.9968		9999.9968

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.2	100.00	0.6	100.00
1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85
1.0	46.15	1.0	46.15
1.0	38.46	1.0	38.46
1.0	30.77	1.0	30.77
1.0	23.08	1.0	23.08
1.1	15.38	1.0	15.36
1.4	7.69	1.4	7.69
STANDARD	20.0		20.0
NUMBER	13		13
RANGE	0.31		0.28
DISPLACEM	18.69		18.72
COEF REL	60.2904		66.8573

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
60	100.00	7.0	100.00	70	100.00	12	100.00
64	92.31	22.5	92.31	98	92.31	25	92.31
70	84.62	25.0	84.62	105	84.62	26	84.62
80	76.92	30.0	76.92	109	76.92	26	76.92
85	69.23	30.0	69.23	120	69.23	30	69.23
85	61.54	31.0	61.54	120	61.54	39	61.54
94	53.85	33.0	53.85	140	53.85	40	53.85
100	46.15	40.0	46.15	210	46.15	43	46.15
110	38.46	41.0	38.46	220	38.46	52	38.46
170	30.77	50.0	30.77	230	30.77	55	30.77
220	23.08	61.0	23.08	240	23.08	55	23.08
280	15.38	80.0	15.38	250	15.38	60	15.38
1,300	7.69	100.0	7.69	250	7.69	90	7.69
STANDARD	5		5.0		5		5
NUMBER	13		13		13		13
RANGE	928.2		70.75		149.9		55.7
DISPLACEMENT	-989.0		-89.00		-245.0		-76.0
COEF REL	-1.0655		-1.2580		-1.6344		-1.3645

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
22	100.00	7.0	100.00	5.0	100.00	8.0	100.00
39	92.31	18.0	92.31	24.0	92.31	20.0	92.31
40	84.62	23.0	84.62	25.0	84.62	26.0	84.62
43	76.92	25.0	76.92	30.0	76.92	26.0	76.92
44	69.23	26.0	69.23	32.0	69.23	28.0	69.23
48	61.54	30.0	61.54	35.0	61.54	30.0	61.54
54	53.85	40.0	53.85	40.0	53.85	32.0	53.85
59	46.15	40.0	46.15	40.0	46.15	32.0	46.15
60	38.46	44.0	38.46	51.0	38.46	36.0	38.46
75	30.77	45.0	30.77	53.0	30.77	43.0	30.77
96	23.08	49.0	23.08	53.0	23.08	50.0	23.08
125	15.38	55.0	15.38	80.0	15.38	53.0	15.38
130	7.69	100.0	7.69	50.0	7.69	130.0	7.69
STANDARD	5		5.0		5.0		5.0
NUMBER	13		13		13		13
RANGE	89.2		67.00		314.70		85.10
DISPLACEM	-123.5		-81.50		-334.00		-101.90
COEF REL	-1.3845		-1.2164		-1.0613		-1.1974

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
17	100.00	7.0	100.00
47	92.31	25.0	92.31
53	84.62	33.0	84.62
60	76.92	37.0	76.92
65	69.23	38.0	69.23
70	61.54	38.0	61.54
71	53.85	40.0	53.85
85	46.15	45.0	46.15
85	38.46	50.0	38.46
88	30.77	60.0	30.77
88	23.08	97.5	23.08
95	15.38	130.0	15.38
140	7.69	180.0	7.69
STANDARD	5		5.0
NUMBER	13		13
RANGE	77.7		137.60
DISPLACEM	-121.5		-160.00
COEF REL	-1.5637		-1.1628

COPPER MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
8.0	100.00	5.0	100.00	8.0	100.00	4.0	100.00
8.0	92.31	5.0	92.31	10.0	92.31	4.0	92.31
8.0	84.62	5.0	84.62	15.0	84.62	5.0	84.62
11.0	76.92	5.0	76.92	17.0	76.92	5.0	76.92
12.0	69.23	44.0	69.23	18.0	69.23	5.0	69.23
12.0	61.54	50.0	61.54	18.0	61.54	5.0	61.54
14.0	53.85	89.0	53.85	20.0	53.85	5.0	53.85
17.0	46.15	95.0	46.15	22.0	46.15	5.0	46.15
18.0	38.46	98.0	38.46	27.0	38.46	5.0	38.46
20.0	30.77	110.0	30.77	27.0	30.77	5.0	30.77
28.0	23.08	240.0	23.08	30.0	23.08	6.0	23.08
39.0	15.38	263.0	15.38	31.0	15.38	9.0	15.38
56.0	7.69	340.0	7.69	60.0	7.69	20.0	7.69
STANDARD	200.0		200.0		200.0		200.0
NUMBER	13		13		13		13
RANGE	42.90		311.90		39.80		12.40
DISPLACEMENT	149.10		-116.90		148.70		183.30
COEF REL	3.4755		-0.3748		3.7362		14.7823

COPPER MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
3.0	100.00	6.0	100.00	1.0	100.00	1.0	100.00
5.0	92.31	7.0	92.31	1.0	92.31	5.0	92.31
5.0	84.62	7.5	84.62	4.0	84.62	5.0	84.62
5.4	76.92	10.0	76.92	5.0	76.92	6.0	76.92
7.0	69.23	26.0	69.23	5.0	69.23	6.0	69.23
7.5	61.54	35.0	61.54	5.0	61.54	8.0	61.54
8.0	53.85	40.0	53.85	5.0	53.85	8.0	53.85
8.0	46.15	48.0	46.15	5.0	46.15	11.0	46.15
8.0	38.46	49.0	38.46	5.0	38.46	12.0	38.46
10.0	30.77	56.0	30.77	5.0	30.77	13.0	30.77
13.0	23.08	56.0	23.08	5.0	23.08	13.0	23.08
15.0	15.38	90.0	15.38	5.0	15.38	16.0	15.38
21.0	7.69	120.0	7.69	5.5	7.69	460.0	7.69
STANDARD	200.0		200.0		200.0		200.0
NUMBER	13		13		13		13
RANGE	14.20		103.85		3.45		321.80
DISPLACEM	180.80		89.00		194.65		-126.80
COEF REL	12.7324		0.8570		56.4203		-0.3940

COPPER MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
9.5	100.00	5.0	100.00
10.0	92.31	5.0	92.31
11.0	84.62	5.0	84.62
11.0	76.92	5.0	76.92
12.0	69.23	5.5	69.23
13.0	61.54	6.0	61.54
15.0	53.85	10.0	53.85
15.0	46.15	12.0	46.15
18.0	38.46	32.0	38.46
20.0	30.77	38.0	30.77
21.0	23.08	56.0	23.08
60.0	15.38	57.0	15.38
180.0	7.69	460.0	7.69
STANDARD	200.0		200.0
NUMBER	13		13
RANGE	133.70		334.10
DISPLACEM	56.00		-139.10
COEF REL	0.4188		-0.4163

CYANIDE MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.01	100.00	0.01	100.00	0.01	100.00	0.01	100.00
0.01	92.31	0.01	92.31	0.01	92.31	0.01	92.31
0.01	84.62	0.01	84.62	0.01	84.62	0.01	84.62
0.01	76.92	0.01	76.92	0.01	76.92	0.01	76.92
0.01	69.23	0.01	69.23	0.01	69.23	0.01	69.23
0.01	61.54	0.01	61.54	0.01	61.54	0.01	61.54
0.01	53.85	0.01	53.85	0.01	53.85	0.01	53.85
0.01	46.15	0.01	46.15	0.01	46.15	0.01	46.15
0.01	38.46	0.01	38.46	0.01	38.46	0.01	38.46
0.01	30.77	0.01	30.77	0.01	30.77	0.01	30.77
0.01	23.08	0.01	23.08	0.01	23.08	0.01	23.08
0.01	15.38	0.01	15.38	0.01	15.38	0.01	15.38
0.01	7.69	0.01	7.69	0.03	7.69	0.01	7.69
STANDARD	0.10		0.10		0.10		0.10
NUMBER	13		13		13		13
RANGE	0.000		0.000		0.014		0.000
DISPLACEMENT	0.090		0.090		0.076		0.090
COEF REL	9999.9968		9999.9968		5.4286		9999.9968

CYANIDE MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.01	100.00	0.01	100.00	0.01	100.00	0.01	100.00
0.01	92.31	0.01	92.31	0.01	92.31	0.01	92.31
0.01	84.62	0.01	84.62	0.01	84.62	0.01	84.62
0.01	76.92	0.01	76.92	0.01	76.92	0.01	76.92
0.01	69.23	0.01	69.23	0.01	69.23	0.01	69.23
0.01	61.54	0.01	61.54	0.01	61.54	0.01	61.54
0.02	53.85	0.01	53.85	0.01	53.85	0.01	53.85
0.02	46.15	0.01	46.15	0.01	46.15	0.01	46.15
0.02	38.46	0.01	38.46	0.01	38.46	0.01	38.46
0.02	30.77	0.01	30.77	0.02	30.77	0.01	30.77
0.02	23.08	0.01	23.08	0.02	23.08	0.02	23.08
0.04	15.38	0.04	15.38	0.03	15.38	0.02	15.38
0.05	7.69	0.06	7.69	0.10	7.69	0.05	7.69
STANDARD	0.10		0.10		0.10		0.10
NUMBER	13		13		13		13
RANGE	0.037		0.044		0.069		0.031
DISPLACEM	0.053		0.046		0.021		0.039
COEF REL	1.4324		1.0455		0.3043		1.9032

CYANIDE MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.01	100.00	0.01	100.00
0.01	92.31	0.01	92.31
0.01	84.62	0.01	84.62
0.01	76.92	0.01	76.92
0.01	69.23	0.01	69.23
0.02	61.54	0.01	61.54
0.02	53.85	0.01	53.85
0.02	46.15	0.01	46.15
0.02	38.46	0.01	38.46
0.03	30.77	0.02	30.77
0.03	23.08	0.02	23.08
0.06	15.38	0.03	15.38
0.06	7.69	0.05	7.69
STANDARD	0.10		0.10
NUMBER	13		13
RANGE	0.050		0.034
DISPLACEM	0.040		0.056
COEF REL	0.8000		1.6471

LEAD MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
5.0	100.00	5.0	100.00	8.0	100.00	5.0	100.00
10.0	92.31	5.0	92.31	11.0	92.31	5.0	92.31
15.0	84.62	5.0	84.62	18.0	84.62	5.0	84.62
15.0	76.92	5.0	76.92	18.0	76.92	5.0	76.92
15.0	69.23	5.0	69.23	19.0	69.23	5.0	69.23
15.0	61.54	5.0	61.54	20.0	61.54	5.0	61.54
18.0	53.85	5.0	53.85	22.0	53.85	5.0	53.85
19.0	46.15	5.0	46.15	24.0	46.15	5.0	46.15
20.0	38.46	5.0	38.46	25.0	38.46	5.0	38.46
20.0	30.77	6.5	30.77	27.0	30.77	6.5	30.77
22.0	23.08	8.0	23.08	35.0	23.08	7.5	23.08
25.0	15.38	9.4	15.38	80.0	15.38	9.0	15.38
50.0	7.69	40.0	7.69	120.0	7.69	13.0	7.69
STANDARD	100.0		100.0		100.0		100.0
NUMBER	13		13		13		13
RANGE	31.00		25.82		94.90		6.80
DISPLACEMENT	57.50		69.18		-8.00		88.20
COEF REL	1.8548		2.6793		-0.0843		12.9706

LEAD MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
5.0	100.00	1.0	100.00	5.0	100.00	5.0	100.00
5.0	92.31	5.0	92.31	5.0	92.31	5.0	92.31
5.0	84.62	5.0	84.62	5.0	84.62	5.0	84.62
5.0	76.92	5.0	76.92	5.0	76.92	5.0	76.92
5.0	69.23	5.0	69.23	5.0	69.23	5.0	69.23
5.0	61.54	5.0	61.54	5.0	61.54	5.0	61.54
7.0	53.85	5.0	53.85	5.0	53.85	5.0	53.85
8.0	46.15	5.0	46.15	5.0	46.15	5.0	46.15
10.0	38.46	5.0	38.46	5.0	38.46	5.0	38.46
11.0	30.77	5.0	30.77	7.0	30.77	5.0	30.77
13.0	23.08	6.0	23.08	7.5	23.08	5.0	23.08
16.0	15.38	8.0	15.38	9.0	15.38	5.0	15.38
23.0	7.69	22.0	7.69	17.0	7.69	5.0	7.69
STANDARD	100.0		100.0		100.0		100.0
NUMBER	13		13		13		13
RANGE	15.90		12.80		9.60		0.00
DISPLACEM	79.10		82.20		85.40		95.00
COEF REL	4.9748		6.4219		8.8958		9999.9968

LEAD MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
5.0	100.00	5.0	100.00
6.5	92.31	5.0	92.31
8.0	84.62	5.0	84.62
8.0	76.92	5.0	76.92
10.0	69.23	5.0	69.23
10.0	61.54	5.0	61.54
10.0	53.85	5.0	53.85
12.0	46.15	5.0	46.15
18.0	38.46	6.0	38.46
22.0	30.77	6.0	30.77
26.0	23.08	9.5	23.08
40.0	15.38	10.0	15.38
40.0	7.69	12.0	7.69
STANDARD	100.0		100.0
NUMBER	13		13
RANGE	33.05		6.40
DISPLACEM	60.00		88.60
COEF REL	1.8154		13.8438

MERCURY MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54	1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85	1.0	53.85	1.0	53.85
1.0	46.15	1.0	46.15	1.0	46.15	1.0	46.15
1.0	38.46	1.0	38.46	1.0	38.46	1.0	38.46
1.2	30.77	1.0	30.77	1.0	30.77	1.0	30.77
1.6	23.08	1.0	23.08	1.0	23.08	1.0	23.08
1.7	15.38	1.0	15.38	2.0	15.38	1.0	15.38
4.7	7.69	1.0	7.69	2.1	7.69	2.0	7.69
STANDARD	1.0		1.0		1.0		1.0
NUMBER	13		13		13		13
RANGE	2.80		0.00		1.07		0.70
DISPLACEMENT	-2.80		0.00		-1.07		-0.70
COEF REL	-1.0000		0.0000		-1.0000		-1.0000

MERCURY MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54	1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85	1.0	53.85	1.0	53.85
1.0	46.15	1.0	46.15	1.0	46.15	1.0	46.15
1.0	38.46	1.0	38.46	1.0	38.46	1.0	38.46
1.0	30.77	1.0	30.77	1.0	30.77	1.0	30.77
1.0	23.08	1.0	23.08	1.0	23.08	1.0	23.08
1.0	15.38	1.0	15.38	1.0	15.38	1.0	15.38
1.4	7.69	2.0	7.69	5.1	7.69	1.0	7.69
STANDARD	1.0		1.0		1.0		1.0
NUMBER	13		13		13		13
RANGE	0.28		0.70		2.87		0.00
DISPLACEM	-0.28		-0.70		-2.87		0.00
COEF REL	-1.0000		-1.0000		-1.0000		0.0000

MERCURY MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85
1.0	46.15	1.0	46.15
1.0	38.46	1.0	38.46
1.0	30.77	1.0	30.77
1.0	23.08	1.0	23.08
1.0	15.38	1.0	15.38
4.8	7.69	2.6	7.69
STANDARD	1.0		1.0
NUMBER	13		13
RANGE	2.66		1.12
DISPLACEM	-2.66		-1.12
COEF REL	-1.0000		-1.0000

NICKEL MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
15	100.00	11	100.00	13	100.00	21	100.00
26	92.31	15	92.31	27	92.31	22	92.31
28	84.62	15	84.62	28	84.62	24	84.62
30	76.92	18	76.92	30	76.92	25	76.92
31	69.23	18	69.23	31	69.23	26	69.23
31	61.54	20	61.54	32	61.54	28	61.54
32	53.85	20	53.85	40	53.85	30	53.85
32	46.15	21	46.15	40	46.15	30	46.15
33	38.46	29	38.46	41	38.46	31	38.46
34	30.77	30	30.77	45	30.77	33	30.77
38	23.08	31	23.08	54	23.08	33	23.08
40	15.38	40	15.38	58	15.38	37	15.38
50	7.69	79	7.69	84	7.69	47	7.69
STANDARD	100		100		100		100
NUMBER	13		13		13		13
RANGE	20.4		52.3		48.9		21.4
DISPLACEMENT	53.0		32.7		23.8		56.0
COEF REL	2.5980		0.6252		0.4867		2.6168

NICKEL MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
23	100.00	15	100.00	10.0	100.00	11	100.00
28	92.31	16	92.31	11.0	92.31	11	92.31
33	84.62	18	84.62	13.0	84.62	12	84.62
37	76.92	20	76.92	14.0	76.92	12	76.92
38	69.23	20	69.23	14.0	69.23	12	69.23
41	61.54	28	61.54	17.0	61.54	15	61.54
41	53.85	30	53.85	19.0	53.85	16	53.85
42	46.15	33	46.15	20.0	46.15	18	46.15
46	38.46	34	38.46	21.0	38.46	20	38.46
62	30.77	39	30.77	22.0	30.77	20	30.77
66	23.08	47	23.08	22.0	23.08	20	23.08
68	15.38	51	15.38	23.0	15.38	27	15.38
90	7.69	230	7.69	27.0	7.69	28	7.69
STANDARD	100		100		100.0		100
NUMBER	13		13		13		13
RANGE	53.9		159.7		14.20		16.4
DISPLACEM	16.6		-76.3		74.20		72.3
COEF REL	0.3080		-0.4778		5.2254		4.4085

NICKEL MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
17	100.00	10.0	100.00
17	92.31	11.0	92.31
21	84.62	15.0	84.62
21	76.92	15.0	76.92
25	69.23	15.0	69.23
27	61.54	20.0	61.54
27	53.85	20.0	53.85
30	46.15	21.0	46.15
32	38.46	26.0	38.46
35	30.77	29.0	30.77
40	23.08	32.0	23.08
40	15.38	54.0	15.38
47	7.69	56.0	7.69
STANDARD	100		100.0
NUMBER	13		13
RANGE	26.7		43.20
DISPLACEM	55.1		44.60
COEF REL	2.0637		1.0324

SILVER MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	0.5	100.00	1.0	100.00	0.5	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.9	76.92	1.0	76.92	1.0	76.92	1.0	76.92
2.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
2.0	61.54	1.3	61.54	2.5	61.54	1.0	61.54
3.0	53.85	2.0	53.85	3.2	53.85	1.0	53.85
3.4	46.15	2.0	46.15	5.0	46.15	1.0	46.15
3.8	38.46	3.0	38.46	6.0	38.46	1.1	38.46
5.0	30.77	19.0	30.77	7.8	30.77	1.4	30.77
5.0	23.08	22.0	23.08	9.0	23.08	2.0	23.08
6.3	15.38	32.0	15.38	10.0	15.38	3.0	15.38
14.0	7.69	70.0	7.69	11.0	7.69	4.0	7.69
STANDARD	20.0		20.0		20.0		20.0
NUMBER	13		13		13		13
RANGE	10.69		57.60		9.70		2.70
DISPLACEMENT	8.31		-38.60		9.30		16.30
COEF REL	0.7774		-0.6701		0.9588		6.0370

SILVER MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.5	100.00	1.0	100.00	0.5	100.00	0.5	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
1.0	61.54	1.3	61.54	1.0	61.54	1.0	61.54
1.0	53.85	2.0	53.85	1.0	53.85	1.0	53.85
1.2	46.15	2.0	46.15	1.0	46.15	1.4	46.15
2.0	38.46	2.7	38.46	1.0	38.46	1.5	38.46
2.1	30.77	7.8	30.77	1.0	30.77	1.5	30.77
3.6	23.08	12.0	23.08	1.0	23.08	2.0	23.08
4.0	15.38	12.0	15.38	1.5	15.38	3.6	15.38
5.0	7.69	16.0	7.69	1.5	7.69	9.0	7.69
STANDARD	20.0		20.0		20.0		20.0
NUMBER	13		13		13		13
RANGE	3.70		13.80		0.50		6.38
DISPLACEM	15.30		5.20		18.50		12.62
COEF REL	4.1351		0.3768		37.0000		1.9781

SILVER MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
1.0	100.00	0.5	100.00
1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23
1.4	61.54	1.0	61.54
2.4	53.85	1.0	53.85
3.0	46.15	1.0	46.15
4.0	38.46	1.0	38.46
5.5	30.77	1.4	30.77
5.9	23.08	1.5	23.08
5.9	15.38	1.8	15.38
11.0	7.69	4.9	7.69
STANDARD	20.0		20.0
NUMBER	13		13
RANGE	8.47		2.97
DISPLACEM	10.53		16.03
COEF REL	1.2432		5.3973

ZINC MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
130	100.00	17	100.00	150	100.00	160	100.00
170	92.31	20	92.31	260	92.31	170	92.31
220	84.62	28	84.62	270	84.62	170	84.62
220	76.92	31	76.92	280	76.92	170	76.92
230	69.23	34	69.23	280	69.23	180	69.23
230	61.54	45	61.54	310	61.54	190	61.54
290	53.85	63	53.85	320	53.85	230	53.85
320	46.15	100	46.15	320	46.15	250	46.15
330	38.46	140	38.46	350	38.46	280	38.46
350	30.77	140	30.77	380	30.77	290	30.77
380	23.08	170	23.08	540	23.08	300	23.08
380	15.38	170	15.38	590	15.38	310	15.38
620	7.69	220	7.69	680	7.69	330	7.69
STANDARD	300		300		300		300
NUMBER	13		13		13		13
RANGE	363.0		182.6		390.0		154.0
DISPLACEMENT	-248.0		95.0		-353.0		-24.0
COEF REL	-0.6832		0.5203		-0.9051		-0.1558

ZINC MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
88	100.00	16	100.00	14	100.00	12	100.00
98	92.31	23	92.31	18	92.31	12	92.31
110	84.62	24	84.62	19	84.62	14	84.62
130	76.92	30	76.92	20	76.92	14	76.92
180	69.23	32	69.23	20	69.23	19	69.23
190	61.54	33	61.54	21	61.54	27	61.54
200	53.85	34	53.85	22	53.85	28	53.85
200	46.15	35	46.15	23	46.15	28	46.15
210	38.46	45	38.46	23	38.46	30	38.46
230	30.77	67	30.77	24	30.77	31	30.77
320	23.08	71	23.08	25	23.08	34	23.08
400	15.38	120	15.38	31	15.38	44	15.38
620	7.69	200	7.69	240	7.69	47	7.69
STANDARD	300		300		300		300
NUMBER	13		13		13		13
RANGE	452.4		152.7		159.0		33.5
DISPLACEM	-254.0		124.0		122.7		253.9
COEF REL	-0.5614		0.8121		0.7717		7.5791

ZINC MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
51	100.00	18	100.00
72	92.31	26	92.31
74	84.62	29	84.62
77	76.92	35	76.92
86	69.23	35	69.23
100	61.54	36	61.54
100	53.85	37	53.85
110	46.15	44	46.15
150	38.46	47	38.46
180	30.77	54	30.77
190	23.08	93	23.08
230	15.38	110	15.38
280	7.69	540	7.69
STANDARD	300		300
NUMBER	13		13
RANGE	192.4		384.1
DISPLACEM	35.0		-111.0
COEF REL	0.1819		-0.2890

5 DAY BOD MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	0.9	100.00	3.3	100.00	1.0	100.00
1.3	96.00	1.0	96.00	4.1	96.00	1.3	96.00
1.5	92.00	1.0	92.00	4.2	92.00	1.6	92.00
4.0	88.00	1.1	88.00	4.2	88.00	1.9	88.00
4.2	84.00	1.2	84.00	4.7	84.00	2.0	84.00
4.4	80.00	1.3	80.00	5.1	80.00	2.2	80.00
4.5	76.00	1.4	76.00	5.2	76.00	2.3	76.00
5.0	72.00	1.6	72.00	5.3	72.00	2.5	72.00
5.3	68.00	1.7	68.00	5.9	68.00	2.5	68.00
5.7	64.00	1.9	64.00	6.1	64.00	3.1	64.00
5.9	60.00	2.3	60.00	6.3	60.00	3.1	60.00
6.2	56.00	2.3	56.00	6.6	56.00	3.3	56.00
7.0	52.00	2.5	52.00	6.9	52.00	3.4	52.00
7.6	48.00	2.5	48.00	7.7	48.00	3.8	48.00
7.9	44.00	2.8	44.00	7.8	44.00	3.9	44.00
8.9	40.00	3.1	40.00	7.9	40.00	4.1	40.00

5 DAY BOD MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
9.0	36.00	3.2	36.00	8.2	36.00	4.2	36.00
9.1	32.00	3.3	32.00	8.4	32.00	5.1	32.00
9.7	28.00	3.8	28.00	9.0	28.00	5.2	28.00
9.8	24.00	4.2	24.00	10.1	24.00	5.5	24.00
12.8	20.00	4.4	20.00	10.4	20.00	6.5	20.00
33.7	16.00	4.5	16.00	10.5	16.00	9.5	16.00
41.6	12.00	4.5	12.00	11.1	12.00	10.3	12.00
59.7	8.00	5.4	8.00	11.7	8.00	11.4	8.00
104.0	4.00	8.0	4.00	15.8	4.00	12.2	4.00
STANDARD	30.0		30.0		30.0		30.0
NUMBER	25		25		25		25
RANGE	47.90		3.92		7.20		9.10
DISPLACEMENT	-20.65		25.03		18.60		19.15
COEF REL	-0.4311		6.3852		2.5833		2.1044

5 DAY BOD MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
7.2	100.00	1.0	100.00	1.5	100.00	2.1	100.00
10.8	96.00	1.8	96.30	3.8	96.00	5.2	96.00
11.9	92.00	5.5	92.59	13.6	92.00	12.5	92.00
13.0	88.00	5.7	88.89	15.7	88.00	13.4	88.00
13.4	84.00	7.3	85.19	15.9	84.00	13.4	84.00
15.8	80.00	8.1	81.48	20.1	80.00	14.8	80.00
18.2	76.00	9.0	77.78	20.5	76.00	15.2	76.00
20.2	72.00	9.1	74.07	22.1	72.00	16.2	72.00
20.3	68.00	9.7	70.37	24.7	68.00	18.1	68.00
21.3	64.00	12.7	66.67	25.3	64.00	18.2	64.00
21.9	60.00	13.1	62.96	29.9	60.00	19.2	60.00
33.1	56.00	13.6	59.26	30.1	56.00	21.4	56.00
33.9	52.00	13.8	55.56	32.0	52.00	21.5	52.00
35.3	48.00	14.4	51.85	37.2	48.00	22.7	48.00
35.8	44.00	14.9	48.15	38.2	44.00	27.4	44.00
40.9	40.00	16.3	44.44	45.1	40.00	31.3	40.00
43.0	36.00	18.8	40.74	46.2	36.00	31.5	36.00

5 DAY BOD MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
44.0	32.00	22.4	37.04	46.4	32.00	31.8	32.00
46.4	28.00	26.9	33.33	48.6	28.00	41.1	28.00
50.4	24.00	28.6	29.63	48.8	24.00	42.2	24.00
53.7	20.00	29.1	25.93	52.1	20.00	42.3	20.00
57.2	16.00	29.1	22.22	52.4	16.00	44.7	16.00
61.3	12.00	29.3	18.52	52.6	12.00	46.2	12.00
68.0	8.00	38.7	14.81	56.9	8.00	46.6	8.00
87.4	4.00	41.2	11.11	80.0	4.00	54.6	4.00
		43.7	7.41				
		49.5	3.70				
STANDARD	30.0		30.0		30.0		30.0
NUMBER	25		27		25		25
RANGE	52.20		36.31		40.10		33.45
DISPLACEM	-34.65		-11.95		-24.75		-16.40
COEF REL	-0.6638		-0.3291		-0.6172		-0.4903

5 DAY BOD MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
11	100.00	1.4	100.00
11	96.00	1.6	96.00
13	92.00	2.9	92.00
17	88.00	3.4	88.00
17	84.00	3.5	84.00
18	80.00	3.6	80.00
21	76.00	3.9	76.00
21	72.00	4.0	72.00
27	68.00	4.0	68.00
31	64.00	4.2	64.00
31	60.00	4.3	60.00
33	56.00	4.6	56.00
33	52.00	5.6	52.00
34	48.00	5.6	48.00
35	44.00	6.0	44.00
36	40.00	6.3	40.00

5 DAY BOD MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
36	36.00	6.7	36.00
37	32.00	7.1	32.00
42	28.00	7.8	28.00
44	24.00	15.3	24.00
54	20.00	16.0	20.00
58	16.00	17.0	16.00
74	12.00	26.7	12.00
98	8.00	30.4	8.00
115	4.00	58.9	4.00
STANDARD	30		30.0
NUMBER	25		25
RANGE	71.3		25.40
DISPLACEM	-56.0		1.45
COEF REL	-0.7856		0.0571

OIL & GREASE MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.4	88.00	0.1	88.00
0.4	84.00	0.2	84.00	0.8	84.00	0.1	84.00
0.4	80.00	0.2	80.00	1.2	80.00	0.1	80.00
1.0	76.00	0.6	76.00	1.4	76.00	0.4	76.00
1.0	72.00	0.8	72.00	1.8	72.00	0.6	72.00
1.4	68.00	1.0	68.00	2.0	68.00	0.6	68.00
1.6	64.00	1.0	64.00	2.2	64.00	1.4	64.00
1.6	60.00	1.2	60.00	2.4	60.00	1.4	60.00
1.8	56.00	1.4	56.00	2.4	56.00	1.6	56.00
2.0	52.00	1.6	52.00	2.4	52.00	1.6	52.00
2.0	48.00	2.0	48.00	2.4	48.00	1.6	48.00
2.2	44.00	2.4	44.00	2.4	44.00	1.6	44.00
2.2	40.00	2.6	40.00	2.6	40.00	1.8	40.00

OIL & GREASE MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
2.2	36.00	2.8	36.00	2.6	36.00	2.6	36.00
2.6	32.00	3.2	32.00	2.8	32.00	2.8	32.00
2.8	28.00	3.6	28.00	3.0	28.00	2.8	28.00
3.0	24.00	4.2	24.00	3.4	24.00	3.0	24.00
3.4	20.00	4.6	20.00	4.0	20.00	3.6	20.00
5.4	16.00	5.0	16.00	4.8	16.00	4.4	16.00
5.8	12.00	13.2	12.00	13.2	12.00	5.0	12.00
7.4	8.00	17.6	8.00	15.2	8.00	5.4	8.00
25.2	4.00	18.4	4.00	33.6	4.00	10.6	4.00
STANDARD	10.0		10.0		10.0		10.0
NUMBER	25		25		25		25
RANGE	6.50		15.30		13.95		5.10
DISPLACEMENT	3.40		-5.40		-4.20		4.80
COEF REL	0.5231		-0.3529		-0.3011		0.9412

OIL & GREASE MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.2	84.00	0.1	84.00
0.2	80.00	0.1	80.00	0.8	80.00	0.1	80.00
0.6	76.00	0.6	76.00	1.0	76.00	0.2	76.00
0.8	72.00	1.0	72.00	1.4	72.00	0.4	72.00
1.0	68.00	1.0	68.00	1.6	68.00	0.6	68.00
1.0	64.00	1.0	64.00	2.0	64.00	0.6	64.00
1.4	60.00	1.0	60.00	2.0	60.00	0.8	60.00
1.6	56.00	1.2	56.00	2.6	56.00	1.0	56.00
1.6	52.00	1.2	52.00	2.6	52.00	1.0	52.00
1.8	48.00	1.4	48.00	2.6	48.00	1.0	48.00
1.8	44.00	1.4	44.00	2.8	44.00	1.6	44.00
1.8	40.00	1.6	40.00	3.0	40.00	1.6	40.00

OIL & GREASE MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
2.4	36.00	2.0	36.00	3.0	36.00	1.6	36.00
2.4	32.00	2.2	32.00	3.0	32.00	1.8	32.00
2.6	28.00	2.4	28.00	3.4	28.00	1.8	28.00
2.6	24.00	2.4	24.00	3.8	24.00	1.8	24.00
2.8	20.00	2.6	20.00	3.8	20.00	2.2	20.00
3.2	16.00	3.8	16.00	4.0	16.00	2.2	16.00
3.8	12.00	4.0	12.00	4.6	12.00	2.8	12.00
7.8	8.00	5.4	8.00	7.2	8.00	3.0	8.00
9.4	4.00	10.2	4.00	10.2	4.00	4.0	4.00
STANDARD	10.0		10.0		10.0		10.0
NUMBER	25		25		25		25
RANGE	5.70		4.60		5.80		2.80
DISPLACEM	4.20		5.30		4.10		7.10
COEF REL	0.7368		1.1522		0.7069		2.5357

OIL & GREASE MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00
0.6	84.00	0.4	84.00
0.6	80.00	0.4	80.00
0.8	76.00	0.4	76.00
1.4	72.00	0.6	72.00
1.4	68.00	0.8	68.00
1.4	64.00	0.8	64.00
1.6	60.00	0.8	60.00
1.8	56.00	1.0	56.00
2.0	52.00	1.0	52.00
2.2	48.00	1.2	48.00
2.2	44.00	1.2	44.00
2.4	40.00	1.8	40.00

OIL & GREASE MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
2.4	36.00	1.8	36.00
3.4	32.00	1.8	32.00
3.8	28.00	1.8	28.00
4.8	24.00	2.0	24.00
5.0	20.00	2.2	20.00
5.2	16.00	2.4	16.00
5.6	12.00	3.2	12.00
6.8	8.00	4.0	8.00
9.0	4.00	4.2	4.00
STANDARD	10.0		10.0
NUMBER	25		25
RANGE	6.10		3.50
DISPLACEM	3.80		6.40
COEF REL	0.6230		1.8286

O I L & G R E A S E M G / L

2 4 H O U R C O M P O S I T E

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.4	88.00	0.1	88.00
0.4	84.00	0.2	84.00	0.8	84.00	0.1	84.00
0.4	80.00	0.2	80.00	1.2	80.00	0.1	80.00
1.0	76.00	0.6	76.00	1.4	76.00	0.4	76.00
1.0	72.00	0.8	72.00	1.8	72.00	0.6	72.00
1.4	68.00	1.0	68.00	2.0	68.00	0.6	68.00
1.6	64.00	1.0	64.00	2.2	64.00	1.4	64.00
1.6	60.00	1.2	60.00	2.4	60.00	1.4	60.00
1.8	56.00	1.4	56.00	2.4	56.00	1.6	56.00
2.0	52.00	1.6	52.00	2.4	52.00	1.6	52.00
2.0	48.00	2.0	48.00	2.4	48.00	1.6	48.00
2.2	44.00	2.4	44.00	2.4	44.00	1.6	44.00
2.2	40.00	2.6	40.00	2.6	40.00	1.8	40.00

O I L & G R E A S E M G / L

2 4 H O U R C O M P O S I T E

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
2.2	36.00	2.8	36.00	2.6	36.00	2.6	36.00
2.6	32.00	3.2	32.00	2.8	32.00	2.8	32.00
2.8	28.00	3.6	28.00	3.0	28.00	2.8	28.00
3.0	24.00	4.2	24.00	3.4	24.00	3.0	24.00
3.4	20.00	4.6	20.00	4.0	20.00	3.6	20.00
5.4	16.00	5.0	16.00	4.8	16.00	4.4	16.00
5.8	12.00	13.2	12.00	13.2	12.00	5.0	12.00
7.4	8.00	17.6	8.00	15.2	8.00	5.4	8.00
25.2	4.00	18.4	4.00	33.6	4.00	10.6	4.00
STANDARD	5.0		5.0		5.0		5.0
NUMBER	25		25		25		25
RANGE	6.50		15.30		13.95		5.10
DISPLACEMENT	-1.60		-10.40		-9.20		-0.20
COEF REL	-0.2462		-0.6797		-0.6595		-0.0392

O I L & G R E A S E M G / L

2 4 H O U R C O M P O S I T E

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.2	84.00	0.1	84.00
0.2	80.00	0.1	80.00	0.8	80.00	0.1	80.00
0.6	76.00	0.6	76.00	1.0	76.00	0.2	76.00
0.8	72.00	1.0	72.00	1.4	72.00	0.4	72.00
1.0	68.00	1.0	68.00	1.6	68.00	0.6	68.00
1.0	64.00	1.0	64.00	2.0	64.00	0.6	64.00
1.4	60.00	1.0	60.00	2.0	60.00	0.8	60.00
1.6	56.00	1.2	56.00	2.6	56.00	1.0	56.00
1.6	52.00	1.2	52.00	2.6	52.00	1.0	52.00
1.8	48.00	1.4	48.00	2.6	48.00	1.0	48.00
1.8	44.00	1.4	44.00	2.8	44.00	1.6	44.00
1.8	40.00	1.6	40.00	3.0	40.00	1.6	40.00

O I L & G R E A S E M G / L

2 4 H O U R C O M P O S I T E

(CONTINUED)

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
2.4	36.00	2.0	36.00	3.0	36.00	1.6	36.00
2.4	32.00	2.2	32.00	3.0	32.00	1.8	32.00
2.6	28.00	2.4	28.00	3.4	28.00	1.6	28.00
2.6	24.00	2.4	24.00	3.8	24.00	1.8	24.00
2.8	20.00	2.6	20.00	3.8	20.00	2.2	20.00
3.2	16.00	3.8	16.00	4.0	16.00	2.2	16.00
3.8	12.00	4.0	12.00	4.6	12.00	2.8	12.00
7.8	8.00	5.4	8.00	7.2	8.00	3.0	8.00
9.4	4.00	10.2	4.00	10.2	4.00	4.0	4.00
STANDARD	5.0		5.0		5.0		5.0
NUMBER	25		25		25		25
RANGE	5.70		4.60		5.80		2.80
DISPLACEM	-0.80		0.30		-0.90		2.10
COEF REL	-0.1404		0.0652		-0.1552		0.7500

O I L & G R E A S E M G / L

2 4 H O U R C O M P O S I T E

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00
0.6	84.00	0.4	84.00
0.6	80.00	0.4	80.00
0.8	76.00	0.4	76.00
1.4	72.00	0.6	72.00
1.4	68.00	0.8	68.00
1.4	64.00	0.8	64.00
1.6	60.00	0.8	60.00
1.8	56.00	1.0	56.00
2.0	52.00	1.0	52.00
2.2	48.00	1.2	48.00
2.2	44.00	1.2	44.00
2.4	40.00	1.8	40.00

O I L & G R E A S E M G / L

2 4 H O U R C O M P O S I T E

(CONTINUED)

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
2.4	36.00	1.8	36.00
3.4	32.00	1.8	32.00
3.8	28.00	1.8	28.00
4.8	24.00	2.0	24.00
5.0	20.00	2.2	20.00
5.2	16.00	2.4	16.00
5.6	12.00	3.2	12.00
6.8	8.00	4.0	8.00
9.0	4.00	4.2	4.00
STANDARD	5.0		5.0
NUMBER	25		25
RANGE	6.10		3.50
DISPLACEM	-1.20		1.40
COEF REL	-0.1967		0.4000

PHENOL MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.001	100.00	0.001	100.00	0.008	100.00	0.001	100.00
0.006	92.31	0.001	92.31	0.008	92.31	0.001	92.31
0.006	84.62	0.001	84.62	0.009	84.62	0.001	84.62
0.007	76.92	0.001	76.92	0.010	76.92	0.001	76.92
0.008	69.23	0.001	69.23	0.010	69.23	0.001	69.23
0.009	61.54	0.001	61.54	0.011	61.54	0.001	61.54
0.009	53.85	0.002	53.85	0.011	53.85	0.001	53.85
0.011	46.15	0.002	46.15	0.015	46.15	0.001	46.15
0.012	38.46	0.002	38.46	0.015	38.46	0.002	38.46
0.012	30.77	0.002	30.77	0.021	30.77	0.002	30.77
0.013	23.08	0.003	23.08	0.021	23.08	0.002	23.08
0.014	15.38	0.004	15.38	0.023	15.38	0.002	15.38
0.016	7.69	0.004	7.69	0.024	7.69	0.003	7.69
STANDARD	0.500		0.500		0.500		0.500
NUMBER	13		13		13		13
RANGE	0.0094		0.0029		0.0154		0.0017
DISPLACEMENT	0.4846		0.4961		0.4763		0.4973
COEF REL	51.5532		170.4778		30.9286		292.5297

PHENOL MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.03	100.00	0.001	100.00	0.05	100.00	0.001	100.00
0.04	92.31	0.001	92.31	0.05	92.31	0.001	92.31
0.04	84.62	0.001	84.62	0.07	84.62	0.001	84.62
0.04	76.92	0.001	76.92	0.07	76.92	0.001	76.92
0.05	69.23	0.001	69.23	0.07	69.23	0.001	69.23
0.05	61.54	0.001	61.54	0.09	61.54	0.001	61.54
0.05	53.85	0.001	53.85	0.10	53.85	0.001	53.85
0.07	46.15	0.001	46.15	0.11	46.15	0.002	46.15
0.07	38.46	0.002	38.46	0.12	38.46	0.002	38.46
0.09	30.77	0.003	30.77	0.13	30.77	0.002	30.77
0.09	23.08	0.004	23.08	0.13	23.08	0.002	23.08
0.09	15.38	0.004	15.38	0.14	15.38	0.002	15.38
0.09	7.69	0.004	7.69	0.15	7.69	0.003	7.69
STANDARD	0.50		0.500		0.50		0.500
NUMBER	13		13		13		13
RANGE	0.055		0.0030		0.084		0.0017
DISPLACEM	0.407		0.4960		0.357		0.4973
COEF REL	7.4129		165.3333		4.2667		292.5297

PHENOL MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.02	100.00	0.001	100.00
0.03	92.31	0.001	92.31
0.04	84.62	0.001	84.62
0.04	76.92	0.001	76.92
0.05	69.23	0.001	69.23
0.05	61.54	0.001	61.54
0.05	53.85	0.001	53.85
0.06	46.15	0.001	46.15
0.07	38.46	0.001	38.46
0.08	30.77	0.001	30.77
0.09	23.08	0.001	23.08
0.09	15.38	0.002	15.38
0.11	7.69	0.004	7.69
STANDARD	0.50		0.500
NUMBER	13		13
RANGE	0.073		0.0024
DISPLACEM	0.398		0.4966
COEF REL	5.4303		206.9169

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.06	100.00	0.03	100.00	8.6	100.00	1.0	100.00
0.06	95.83	0.04	96.00	10.0	96.00	5.7	96.00
0.11	91.67	0.06	92.00	10.0	92.00	8.2	92.00
0.20	87.50	0.11	88.00	10.4	88.00	10.0	88.00
0.28	83.33	0.15	84.00	11.0	84.00	10.6	84.00
0.30	79.17	0.15	80.00	11.4	80.00	10.9	80.00
0.32	75.00	0.23	76.00	11.5	76.00	11.6	76.00
0.32	70.83	0.26	72.00	11.6	72.00	11.6	72.00
0.32	66.67	0.30	68.00	12.2	68.00	11.6	68.00
0.36	62.50	0.39	64.00	12.2	64.00	12.0	64.00
0.43	58.33	0.40	60.00	12.2	60.00	12.0	60.00
0.54	54.17	0.46	56.00	12.4	56.00	12.0	56.00
0.60	50.00	0.48	52.00	12.4	52.00	12.0	52.00
0.66	45.83	0.48	48.00	12.4	48.00	12.2	48.00
0.75	41.67	0.69	44.00	12.6	44.00	12.4	44.00
0.89	37.50	0.80	40.00	13.0	40.00	12.6	40.00

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.20	33.33	0.84	36.00	13.2	36.00	12.6	36.00
1.40	29.17	0.89	32.00	13.6	32.00	12.6	32.00
1.50	25.00	0.90	28.00	13.8	28.00	13.2	28.00
1.70	20.83	1.13	24.00	14.0	24.00	13.2	24.00
2.18	16.67	1.20	20.00	14.2	20.00	14.0	20.00
2.25	12.50	1.30	16.00	14.8	16.00	14.4	16.00
5.40	8.33	1.70	12.00	14.8	12.00	14.6	12.00
3.20	4.17	1.90	8.00	15.4	8.00	14.8	8.00
		2.30	4.00	15.4	4.00	16.0	4.00
STANDARD	40.00		40.00		40.0		40.0
NUMBER	24		25		25		25
RANGE	3.994		1.715		4.90		5.60
DISPLACEMENT	35.860		38.200		24.90		25.30
COEF REL	8.9785		22.2741		5.0816		4.5179

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
		8.8	100.00			6.4	100.00
		9.4	96.00			7.8	96.00
		10.4	92.00			8.4	92.00
		11.6	88.00			10.0	88.00
		12.6	84.00			10.0	84.00
		12.8	80.00			10.0	80.00
		12.8	76.00			10.2	76.00
		12.8	72.00			11.2	72.00
		13.2	68.00			11.5	68.00
		13.2	64.00			11.6	64.00
		13.4	60.00			12.6	60.00
		13.4	56.00			12.8	56.00
		13.6	52.00			12.8	52.00
		14.2	48.00			12.8	48.00
		14.8	44.00			13.0	44.00
		14.8	40.00			13.2	40.00

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
		15.2	36.00			13.4	36.00
		15.4	32.00			13.6	32.00
		15.4	28.00			13.6	28.00
		15.4	24.00			13.8	24.00
		16.0	20.00			14.4	20.00
		16.4	16.00			14.8	16.00
		16.8	12.00			15.2	12.00
		16.8	8.00			16.4	8.00
		17.2	4.00			128.0	4.00
STANDARD	40		40.0		40		40.0
NUMBER	0		25		0		25
RANGE	0.0		5.80		0.0		6.60
DISPLACEM	0.0		23.20		0.0		24.20
COEF REL	0.0000		4.0000		0.0000		3.6667

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
		9.8	100.00
		10.4	96.00
		11.0	92.00
		11.6	88.00
		11.6	84.00
		11.6	80.00
		12.2	76.00
		12.6	72.00
		12.8	68.00
		13.4	64.00
		13.6	60.00
		13.6	56.00
		13.6	52.00
		14.4	48.00
		14.4	44.00
		14.6	40.00

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
		14.8	36.00
		14.8	32.00
		15.2	28.00
		15.6	24.00
		15.6	20.00
		15.8	16.00
		16.4	12.00
		16.4	8.00
		20.4	4.00
STANDARD	40		40.0
NUMBER	0		25
RANGE	0.0		5.10
DISPLACEM	0.0		23.60
COEF REL	0.0000		4.6275

FLOATABLES MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.2	84.00	0.1	84.00
0.1	80.00	0.1	80.00	0.2	80.00	0.1	80.00
0.1	76.00	0.1	76.00	0.2	76.00	0.1	76.00
0.2	72.00	0.1	72.00	0.2	72.00	0.1	72.00
0.2	68.00	0.1	68.00	0.2	68.00	0.1	68.00
0.2	64.00	0.1	64.00	0.2	64.00	0.1	64.00
0.2	60.00	0.1	60.00	0.3	60.00	0.1	60.00
0.2	56.00	0.1	56.00	0.3	56.00	0.1	56.00
0.2	52.00	0.1	52.00	0.3	52.00	0.1	52.00
0.2	48.00	0.1	48.00	0.3	48.00	0.1	48.00
0.2	44.00	0.1	44.00	0.3	44.00	0.1	44.00
0.2	40.00	0.1	40.00	0.3	40.00	0.1	40.00

F L O A T A B L E S M G / L

2 4 H O U R C O M P O S I T E

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.3	36.00	0.1	36.00	0.4	36.00	0.1	36.00
0.3	32.00	0.1	32.00	0.4	32.00	0.1	32.00
0.3	28.00	0.1	28.00	0.5	28.00	0.1	28.00
0.3	24.00	0.1	24.00	0.5	24.00	0.1	24.00
0.3	20.00	0.1	20.00	0.6	20.00	0.1	20.00
0.5	16.00	0.1	16.00	0.6	16.00	0.2	16.00
0.6	12.00	0.3	12.00	0.7	12.00	0.2	12.00
1.0	8.00	0.3	8.00	1.3	8.00	0.3	8.00
2.5	4.00	0.4	4.00	1.6	4.00	0.3	4.00
STANDARD	1.0		1.0		1.0		1.0
NUMBER	25		25		25		25
RANGE	0.70		0.20		0.90		0.15
DISPLACEMENT	0.20		0.70		0.00		0.75
COEF REL	0.2857		3.5000		0.0000		5.0000

F L O A T A B L E S M G / L

2 4 H O U R C O M P O S I T E

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00	0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00	0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00	0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00	0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00	0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00	0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00	0.2	56.00	0.1	56.00
0.1	52.00	0.1	52.00	0.2	52.00	0.1	52.00
0.1	48.00	0.1	48.00	0.2	48.00	0.1	48.00
0.1	44.00	0.1	44.00	0.2	44.00	0.1	44.00
0.2	40.00	0.1	40.00	0.2	40.00	0.1	40.00

F L O A T A B L E S M G / L

2 4 H O U R C O M P O S I T E

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.2	36.00	0.2	36.00	0.3	36.00	0.1	36.00
0.2	32.00	0.2	32.00	0.3	32.00	0.1	32.00
0.2	28.00	0.2	28.00	0.3	28.00	0.2	28.00
0.3	24.00	0.2	24.00	0.4	24.00	0.2	24.00
0.4	20.00	0.2	20.00	0.5	20.00	0.2	20.00
0.4	16.00	0.3	16.00	0.5	16.00	0.2	16.00
0.4	12.00	0.3	12.00	0.6	12.00	0.2	12.00
0.4	8.00	0.5	8.00	0.6	8.00	0.2	8.00
0.8	4.00	0.5	4.00	1.2	4.00	0.4	4.00
STANDARD	1.0		1.0		1.0		1.0
NUMBER	25		25		25		25
RANGE	0.30		0.30		0.50		0.10
DISPLACEM	0.60		0.60		0.40		0.80
COEF REL	2.0000		2.0000		0.8000		8.0000

F L O A T A B L E S M G / L

2 4 H O U R C O M P O S I T E

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00
0.2	40.00	0.1	40.00

FLOATABLES MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.2	36.00	0.1	36.00
0.2	32.00	0.2	32.00
0.3	28.00	0.2	28.00
0.3	24.00	0.2	24.00
0.3	20.00	0.2	20.00
0.4	16.00	0.3	16.00
0.4	12.00	0.3	12.00
0.5	8.00	0.3	8.00
0.6	4.00	0.4	4.00
STANDARD	1.0		1.0
NUMBER	25		25
RANGE	0.35		0.20
DISPLACEM	0.55		0.70
COEF REL	1.5714		3.5000

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00	0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00	0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00	0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00	0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00	0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00	0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00	0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00	0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00	0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00	0.1	44.00	0.1	44.00
0.1	40.00	0.1	40.00	0.1	40.00	0.1	40.00

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	36.00	0.1	36.00	0.1	36.00	0.1	36.00
0.1	32.00	0.1	32.00	0.1	32.00	0.1	32.00
0.2	28.00	0.1	28.00	0.1	28.00	0.1	28.00
0.2	24.00	0.1	24.00	0.1	24.00	0.1	24.00
0.2	20.00	0.1	20.00	0.1	20.00	0.1	20.00
0.2	16.00	0.1	16.00	0.1	16.00	0.1	16.00
0.2	12.00	0.1	12.00	0.1	12.00	0.1	12.00
0.9	8.00	0.1	8.00	0.1	8.00	0.1	8.00
1.5	4.00	0.1	4.00	0.5	4.00	0.1	4.00
STANDARD	0.1		0.1		0.1		0.1
NUMBER	25		25		25		25
RANGE	0.45		0.00		0.00		0.00
DISPLACEMENT	-0.45		0.00		0.00		0.00
COEF REL	-1.0000		0.0000		0.0000		0.0000

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00	0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00	0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00	0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00	0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00	0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00	0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00	0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00	0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00	0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00	0.1	44.00	0.1	44.00
0.1	40.00	0.1	40.00	0.1	40.00	0.1	40.00

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	36.00	0.1	36.00	0.1	36.00	0.1	36.00
0.1	32.00	0.1	32.00	0.1	32.00	0.1	32.00
0.1	28.00	0.1	28.00	0.1	28.00	0.1	28.00
0.1	24.00	0.1	24.00	0.1	24.00	0.1	24.00
0.1	20.00	0.1	20.00	0.1	20.00	0.1	20.00
0.1	16.00	0.1	16.00	0.1	16.00	0.1	16.00
0.1	12.00	0.1	12.00	0.1	12.00	0.1	12.00
0.1	8.00	0.1	8.00	0.1	8.00	0.1	8.00
0.3	4.00	0.1	4.00	0.1	4.00	0.1	4.00
STANDARD	0.1		0.1		0.1		0.1
NUMBER	25		25		25		25
RANGE	0.00		0.00		0.00		0.00
DISPLACEM	0.00		0.00		0.00		0.00
COEF REL	0.0000		0.0000		0.0000		0.0000

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00
0.1	40.00	0.1	40.00

12/06/73

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.1	36.00	0.1	36.00
0.1	32.00	0.1	32.00
0.1	28.00	0.1	28.00
0.1	24.00	0.1	24.00
0.1	20.00	0.1	20.00
0.1	16.00	0.1	16.00
0.1	12.00	0.1	12.00
0.1	8.00	0.1	8.00
0.1	4.00	0.1	4.00
0.1			
STANDARD	0.1		0.1
NUMBER	25		25
RANGE	0.00		0.00
DISPLACEM	0.00		0.00
COEF REL	0.0000		0.0000

12/06/73

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
6.0	100.00	0.2	100.00	12	100.00	0.5	100.00
6.9	96.00	0.3	96.00	13	96.00	0.9	96.00
7.0	92.00	0.3	92.00	13	92.00	0.9	92.00
8.5	88.00	0.4	88.00	14	88.00	1.1	88.00
8.5	84.00	0.7	84.00	14	84.00	1.7	84.00
10.0	80.00	0.8	80.00	14	80.00	1.7	80.00
11.0	76.00	0.9	76.00	14	76.00	1.7	76.00
11.5	72.00	1.2	72.00	17	72.00	1.8	72.00
12.5	68.00	1.2	68.00	18	68.00	2.0	68.00
13.0	64.00	1.7	64.00	20	64.00	2.0	64.00
14.0	60.00	1.7	60.00	21	60.00	2.1	60.00
16.0	56.00	1.9	56.00	23	56.00	2.3	56.00
16.0	52.00	1.9	52.00	24	52.00	2.3	52.00
23.0	48.00	2.0	48.00	24	48.00	2.3	48.00
28.0	44.00	2.0	44.00	25	44.00	2.4	44.00
28.0	40.00	2.0	40.00	25	40.00	2.5	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
32.0	36.00	2.1	36.00	26	36.00	2.6	36.00
36.0	32.00	2.1	32.00	28	32.00	2.9	32.00
36.0	28.00	2.3	28.00	28	28.00	3.0	28.00
36.0	24.00	2.3	24.00	30	24.00	3.0	24.00
40.0	20.00	2.5	20.00	33	20.00	3.4	20.00
41.0	16.00	2.5	16.00	35	16.00	3.7	16.00
60.0	12.00	2.7	12.00	35	12.00	4.3	12.00
64.0	8.00	2.8	8.00	40	8.00	4.4	8.00
178.0	4.00	4.5	4.00	52	4.00	18.0	4.00
STANDARD	50.0		50.0		50		50.0
NUMBER	25		25		25		25
RANGE	54.25		2.38		24.1		3.33
DISPLACEMENT	-12.00		47.26		12.5		45.67
COEF REL	-0.2212		19.8176		0.5187		13.6927

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
7.3	100.00	0.0	100.00	1.6	100.00	0.6	100.00
9.7	96.00	1.6	96.00	1.6	96.00	0.8	96.00
12.0	92.00	2.2	92.00	1.7	92.00	1.3	92.00
12.5	88.00	2.4	88.00	2.4	88.00	1.3	88.00
13.0	84.00	3.0	84.00	2.5	84.00	1.5	84.00
13.6	80.00	3.4	80.00	2.6	80.00	1.6	80.00
14.0	76.00	3.4	76.00	3.0	76.00	1.6	76.00
14.0	72.00	3.5	72.00	3.3	72.00	1.7	72.00
14.0	68.00	3.6	68.00	4.0	68.00	2.4	68.00
15.0	64.00	3.6	64.00	4.6	64.00	2.5	64.00
18.0	60.00	3.8	60.00	5.8	60.00	2.5	60.00
19.0	56.00	4.7	56.00	5.8	56.00	2.9	56.00
19.5	52.00	5.0	52.00	6.3	52.00	3.9	52.00
20.0	48.00	5.1	48.00	6.8	48.00	3.9	48.00
20.0	44.00	5.5	44.00	7.0	44.00	4.0	44.00
20.0	40.00	5.8	40.00	7.1	40.00	4.0	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
21.7	36.00	6.0	36.00	8.0	36.00	4.2	36.00
24.0	32.00	8.8	32.00	9.0	32.00	4.3	32.00
25.0	28.00	9.2	28.00	9.2	28.00	4.8	28.00
28.0	24.00	10.0	24.00	10.0	24.00	5.0	24.00
29.5	20.00	10.5	20.00	12.0	20.00	5.0	20.00
32.0	16.00	12.5	16.00	13.2	16.00	5.4	16.00
33.0	12.00	14.2	12.00	14.0	12.00	5.9	12.00
38.0	8.00	20.0	8.00	15.0	8.00	7.8	8.00
39.0	4.00	48.0	4.00	24.0	4.00	7.8	4.00
STANDARD	50.0		50.0		50.0		50.0
NUMBER	25		25		25		25
RANGE	23.25		14.80		12.45		5.55
DISPLACEM	14.50		32.90		35.50		43.15
COEF REL	0.6237		2.2230		2.8514		7.7748

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
21	100.00	2.6	100.00
24	96.00	2.8	96.00
24	92.00	3.0	92.00
24	88.00	3.0	88.00
25	84.00	3.6	84.00
26	80.00	3.6	80.00
27	76.00	3.9	76.00
27	72.00	4.0	72.00
28	68.00	4.0	68.00
30	64.00	4.0	64.00
30	60.00	4.3	60.00
31	56.00	4.3	56.00
31	52.00	4.3	52.00
31	48.00	4.7	48.00
32	44.00	5.0	44.00
34	40.00	5.0	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
36	36.00	5.0	36.00
37	32.00	6.0	32.00
38	28.00	6.0	28.00
38	24.00	6.6	24.00
41	20.00	7.2	20.00
42	16.00	7.5	16.00
47	12.00	8.0	12.00
50	8.00	8.8	8.00
52	4.00	9.2	4.00
STANDARD	50		50.0
NUMBER	25		25
RANGE	24.5		5.40
DISPLACEM	1.5		41.60
COEF REL	0.0612		7.7037

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
6.0	100.00	0.2	100.00	12	100.00	0.5	100.00
6.9	96.00	0.3	96.00	13	96.00	0.9	96.00
7.0	92.00	0.3	92.00	13	92.00	0.9	92.00
8.5	88.00	0.4	88.00	14	88.00	1.1	88.00
8.5	84.00	0.7	84.00	14	84.00	1.7	84.00
10.0	80.00	0.8	80.00	14	80.00	1.7	80.00
11.0	76.00	0.9	76.00	14	76.00	1.7	76.00
11.5	72.00	1.2	72.00	17	72.00	1.8	72.00
12.5	68.00	1.2	68.00	18	68.00	2.0	68.00
13.0	64.00	1.7	64.00	20	64.00	2.0	64.00
14.0	60.00	1.7	60.00	21	60.00	2.1	60.00
16.0	56.00	1.9	56.00	23	56.00	2.3	56.00
16.0	52.00	1.9	52.00	24	52.00	2.3	52.00
23.0	48.00	2.0	48.00	24	48.00	2.3	48.00
28.0	44.00	2.0	44.00	25	44.00	2.4	44.00
28.0	40.00	2.0	40.00	25	40.00	2.5	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
32.0	36.00	2.1	36.00	26	36.00	2.6	36.00
36.0	32.00	2.1	32.00	28	32.00	2.9	32.00
36.0	28.00	2.3	28.00	28	28.00	3.0	28.00
36.0	24.00	2.3	24.00	30	24.00	3.0	24.00
40.0	20.00	2.5	20.00	33	20.00	3.4	20.00
41.0	16.00	2.5	16.00	35	16.00	3.7	16.00
60.0	12.00	2.7	12.00	35	12.00	4.3	12.00
64.0	8.00	2.8	8.00	40	8.00	4.4	8.00
178.0	4.00	4.5	4.00	52	4.00	18.0	4.00
STANDARD	30.0		30.0		30		30.0
NUMBER	25		25		25		25
RANGE	54.25		2.38		24.1		3.33
DISPLACEMENT	-32.00		27.26		-7.5		25.67
COEF REL	-0.5899		11.4319		-0.3112		7.6957

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
7.3	100.00	0.0	100.00	1.6	100.00	0.6	100.00
9.7	96.00	1.6	96.00	1.6	96.00	0.8	96.00
12.0	92.00	2.2	92.00	1.7	92.00	1.3	92.00
12.5	88.00	2.4	88.00	2.4	88.00	1.3	88.00
13.0	84.00	3.0	84.00	2.5	84.00	1.5	84.00
13.6	80.00	3.4	80.00	2.6	80.00	1.6	80.00
14.0	76.00	3.4	76.00	3.0	76.00	1.6	76.00
14.0	72.00	3.5	72.00	3.3	72.00	1.7	72.00
14.0	68.00	3.6	68.00	4.0	68.00	2.4	68.00
15.0	64.00	3.6	64.00	4.6	64.00	2.5	64.00
18.0	60.00	3.8	60.00	5.8	60.00	2.5	60.00
19.0	56.00	4.7	56.00	5.8	56.00	2.9	56.00
19.5	52.00	5.0	52.00	6.3	52.00	3.9	52.00
20.0	48.00	5.1	48.00	6.8	48.00	3.9	48.00
20.0	44.00	5.5	44.00	7.0	44.00	4.0	44.00
20.0	40.00	5.8	40.00	7.1	40.00	4.0	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
21.7	36.00	6.0	36.00	8.0	36.00	4.2	36.00
24.0	32.00	8.8	32.00	9.0	32.00	4.3	32.00
25.0	28.00	9.2	28.00	9.2	28.00	4.8	28.00
28.0	24.00	10.0	24.00	10.0	24.00	5.0	24.00
29.5	20.00	10.5	20.00	12.0	20.00	5.0	20.00
32.0	16.00	12.5	16.00	13.2	16.00	5.4	16.00
33.0	12.00	14.2	12.00	14.0	12.00	5.9	12.00
38.0	8.00	20.0	8.00	15.0	8.00	7.8	8.00
39.0	4.00	48.0	4.00	24.0	4.00	7.8	4.00
STANDARD	30.0		30.0		30.0		30.0
NUMBER	25		25		25		25
RANGE	23.25		14.80		12.45		5.55
DISPLACEM	-5.50		12.90		15.50		23.15
COEF REL	-0.2366		0.8716		1.2450		4.1712

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
21	100.00	2.6	100.00
24	96.00	2.8	96.00
24	92.00	3.0	92.00
24	88.00	3.0	88.00
25	84.00	3.6	84.00
26	80.00	3.6	80.00
27	76.00	3.9	76.00
27	72.00	4.0	72.00
28	68.00	4.0	68.00
30	64.00	4.0	64.00
30	60.00	4.3	60.00
31	56.00	4.3	56.00
31	52.00	4.3	52.00
31	48.00	4.7	48.00
32	44.00	5.0	44.00
34	40.00	5.0	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
36	36.00	5.0	36.00
37	32.00	6.0	32.00
38	28.00	6.0	28.00
38	24.00	6.6	24.00
41	20.00	7.2	20.00
42	16.00	7.5	16.00
47	12.00	8.0	12.00
50	8.00	8.8	8.00
52	4.00	9.2	4.00
STANDARD	30		30.0
NUMBER	25		25
RANGE	24.5		5.40
DISPLACEM	-18.5		21.60
COEF REL	-0.7551		4.0000

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
6.0	100.00	0.2	100.00	12	100.00	0.5	100.00
6.9	96.00	0.3	96.00	13	96.00	0.9	96.00
7.0	92.00	0.3	92.00	13	92.00	0.9	92.00
8.5	88.00	0.4	88.00	14	88.00	1.1	88.00
8.5	84.00	0.7	84.00	14	84.00	1.7	84.00
10.0	80.00	0.8	80.00	14	80.00	1.7	80.00
11.0	76.00	0.9	76.00	14	76.00	1.7	76.00
11.5	72.00	1.2	72.00	17	72.00	1.8	72.00
12.5	68.00	1.2	68.00	18	68.00	2.0	68.00
13.0	64.00	1.7	64.00	20	64.00	2.0	64.00
14.0	60.00	1.7	60.00	21	60.00	2.1	60.00
16.0	56.00	1.9	56.00	23	56.00	2.3	56.00
16.0	52.00	1.9	52.00	24	52.00	2.3	52.00
23.0	48.00	2.0	48.00	24	48.00	2.3	48.00
28.0	44.00	2.0	44.00	25	44.00	2.4	44.00
28.0	40.00	2.0	40.00	25	40.00	2.5	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
32.0	36.00	2.1	36.00	26	36.00	2.6	36.00
36.0	32.00	2.1	32.00	28	32.00	2.9	32.00
36.0	28.00	2.3	28.00	28	28.00	3.0	28.00
36.0	24.00	2.3	24.00	30	24.00	3.0	24.00
40.0	20.00	2.5	20.00	33	20.00	3.4	20.00
41.0	16.00	2.5	16.00	35	16.00	3.7	16.00
60.0	12.00	2.7	12.00	35	12.00	4.3	12.00
64.0	8.00	2.8	8.00	46	8.00	4.4	8.00
178.0	4.00	4.5	4.00	52	4.00	18.0	4.00
STANDARD	15.0		15.0		15		15.0
NUMBER	25		25		25		25
RANGE	54.25		2.38		24.1		3.33
DISPLACEMENT	-47.00		12.26		-22.5		10.67
COEF REL	-0.8664		5.1426		-0.9336		3.1979

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
7.3	100.00	0.0	100.00	1.6	100.00	0.6	100.00
9.7	96.00	1.6	96.00	1.6	96.00	0.8	96.00
12.0	92.00	2.2	92.00	1.7	92.00	1.3	92.00
12.5	88.00	2.4	88.00	2.4	88.00	1.3	88.00
13.0	84.00	3.0	84.00	2.5	84.00	1.5	84.00
13.6	80.00	3.4	80.00	2.6	80.00	1.6	80.00
14.0	76.00	3.4	76.00	3.0	76.00	1.6	76.00
14.0	72.00	3.5	72.00	3.3	72.00	1.7	72.00
14.0	68.00	3.6	68.00	4.0	68.00	2.4	68.00
15.0	64.00	3.6	64.00	4.6	64.00	2.5	64.00
18.0	60.00	3.8	60.00	5.8	60.00	2.5	60.00
19.0	56.00	4.7	56.00	5.8	56.00	2.9	56.00
19.5	52.00	5.0	52.00	6.3	52.00	3.9	52.00
20.0	48.00	5.1	48.00	6.8	48.00	3.9	48.00
20.0	44.00	5.5	44.00	7.0	44.00	4.0	44.00
20.0	40.00	5.8	40.00	7.1	40.00	4.0	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
21.7	36.00	6.0	36.00	8.0	36.00	4.2	36.00
24.0	32.00	8.8	32.00	9.0	32.00	4.3	32.00
25.0	28.00	9.2	28.00	9.2	28.00	4.8	28.00
28.0	24.00	10.0	24.00	10.0	24.00	5.0	24.00
29.5	20.00	10.5	20.00	12.0	20.00	5.0	20.00
32.0	16.00	12.5	16.00	13.2	16.00	5.4	16.00
33.0	12.00	14.2	12.00	14.0	12.00	5.9	12.00
38.0	8.00	20.0	8.00	15.0	8.00	7.8	8.00
39.0	4.00	48.0	4.00	24.0	4.00	7.8	4.00
STANDARD	15.0		15.0		15.0		15.0
NUMBER	25		25		25		25
RANGE	23.25		14.80		12.45		5.55
DISPLACEM	-20.50		-2.10		0.50		8.15
COEF REL	-0.8817		-0.1419		0.0402		1.4685

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
21	100.00	2.6	100.00
24	96.00	2.8	96.00
24	92.00	3.0	92.00
24	88.00	3.0	88.00
25	84.00	3.6	84.00
26	80.00	3.6	80.00
27	76.00	3.9	76.00
27	72.00	4.0	72.00
28	68.00	4.0	68.00
30	64.00	4.0	64.00
30	60.00	4.3	60.00
31	56.00	4.3	56.00
31	52.00	4.3	52.00
31	48.00	4.7	48.00
32	44.00	5.0	44.00
34	40.00	5.0	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
36	36.00	5.0	36.00
37	32.00	6.0	32.00
38	28.00	6.0	28.00
38	24.00	6.6	24.00
41	20.00	7.2	20.00
42	16.00	7.5	16.00
47	12.00	8.0	12.00
50	8.00	8.8	8.00
52	4.00	9.2	4.00
STANDARD	15		15.0
NUMBER	25		25
RANGE	24.5		5.40
DISPLACEM	-33.5		6.60
COEF REL	-1.3673		1.2222

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
3.2	100.00	0.2	100.00	6.6	100.00	0.4	100.00
3.3	96.15	0.2	96.15	6.8	96.15	0.4	96.15
3.9	92.31	0.3	92.31	7.4	92.31	0.4	92.31
4.2	88.46	0.3	88.46	8.4	88.46	0.4	88.46
4.3	84.62	0.3	84.62	8.5	84.62	0.5	84.62
4.4	80.77	0.3	80.77	8.6	80.77	0.5	80.77
4.4	76.92	0.3	76.92	8.9	76.92	0.6	76.92
4.4	73.08	0.3	73.08	8.9	73.08	0.6	73.08
4.7	69.23	0.3	69.23	9.1	69.23	0.6	69.23
4.7	65.38	0.3	65.38	9.2	65.38	0.6	65.38
5.1	61.54	0.3	61.54	9.3	61.54	0.7	61.54
6.3	57.69	0.3	57.69	9.6	57.69	0.7	57.69
6.3	53.85	0.4	53.85	9.9	53.85	0.7	53.85
6.7	50.00	0.4	50.00	9.9	50.00	0.7	50.00
6.8	46.15	0.4	46.15	10.0	46.15	0.8	46.15
6.9	42.31	0.4	42.31	10.6	42.31	0.8	42.31
8.1	38.46	0.4	38.46	10.8	38.46	0.8	38.46

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
10.2	34.62	0.4	34.62	11.2	34.62	0.9	34.62
10.7	30.77	0.4	30.77	11.3	30.77	1.0	30.77
10.9	26.92	0.5	26.92	11.4	26.92	1.1	26.92
11.1	23.08	0.7	23.08	11.9	23.08	1.2	23.08
11.4	19.23	0.7	19.23	11.9	19.23	1.3	19.23
12.9	15.38	0.8	15.38	12.0	15.38	1.6	15.38
14.4	11.54	0.9	11.54	12.6	11.54	1.7	11.54
21.8	7.69	1.1	7.69	12.6	7.69	2.2	7.69
29.2	3.85	1.2	3.85	15.2	3.85	7.0	3.85
STANDARD	50.0		50.0		50.0		50.0
NUMBER	26		26		26		26
RANGE	13.28		0.74		4.58		1.47
DISPLACEMENT	32.64		49.00		37.40		48.10
COEF REL	2.4578		66.5788		8.1659		32.6323

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
2.8	100.00	0.5	100.00	1.8	100.00	0.5	100.00
2.9	96.15	0.8	97.83	2.3	96.15	0.5	96.30
3.7	92.31	0.9	95.65	2.5	92.31	0.5	92.59
3.8	88.46	0.9	93.48	3.5	88.46	0.5	88.89
3.8	84.62	0.9	91.30	3.7	84.62	0.5	85.19
3.9	80.77	1.0	89.13	3.8	80.77	0.6	81.48
3.9	76.92	1.1	86.96	4.1	76.92	0.6	77.78
3.9	73.08	1.1	84.78	4.2	73.08	0.6	74.07
4.0	69.23	1.2	82.61	4.6	69.23	0.6	70.37
4.1	65.38	1.3	80.43	4.7	65.38	0.7	66.67
4.3	61.54	1.4	78.26	4.8	61.54	0.7	62.96
4.7	57.69	1.4	76.09	4.8	57.69	0.7	59.26
4.8	53.85	1.4	73.91	4.8	53.85	0.7	55.56
4.8	50.00	1.5	71.74	5.1	50.00	0.9	51.85
5.0	46.15	1.7	69.57	5.3	46.15	0.9	48.15
5.1	42.31	1.8	67.39	5.4	42.31	0.9	44.44
5.1	38.46	1.9	65.22	5.8	38.46	1.0	40.74
5.4	34.62	1.9	63.04	6.2	34.62	1.0	37.04
5.7	30.77	1.9	60.87	6.4	30.77	1.0	33.33
6.0	26.92	1.9	58.70	6.9	26.92	1.1	29.63
6.0	23.08	2.0	56.52	7.1	23.08	1.2	25.93
6.2	19.23	2.0	54.35	7.2	19.23	1.3	22.22
7.3	15.38	2.0	52.17	7.8	15.38	1.4	18.52
8.0	11.54	2.3	50.00	9.2	11.54	1.5	14.81
8.3	7.69	2.3	47.83	9.5	7.69	1.9	11.11
8.6	3.85	2.3	45.65	12.8	3.85	1.9	7.41
		2.3	43.48			2.0	3.70

A V E R A G E T U R B I D I T Y F T U H O U R L Y G R A B S A M P L E

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
		2.5	41.30				
		2.8	39.13				
		3.0	36.96				
		3.2	34.78				
		3.2	32.61				
		3.3	30.43				
		3.6	28.26				
		3.8	26.09				
		4.2	23.91				
		4.3	21.74				
		4.6	19.57				
		4.8	17.39				
		4.9	15.22				
		4.9	13.04				
		11.0	10.87				
		12.0	8.70				
		12.0	6.52				
		40.0	4.35				
		60.0	2.17				
STANDARD	50.0		50.0		50.0		50.0
NUMBER	26		46		26		27
RANGE	4.39		10.44		6.22		1.37
DISPLACEM	41.68		38.60		40.68		48.10
COEF REL	9.5399		3.6959		6.5402		35.0328

A V E R A G E T U R B I D I T Y F T U H O U R L Y G R A B S A M P L E

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
4.4	100.00	0.3	100.00
5.8	96.15	1.0	97.87
6.4	92.31	1.1	95.74
6.8	88.46	1.4	93.62
6.8	84.62	1.4	91.49
7.4	80.77	1.6	89.36
7.7	76.92	1.6	87.23
7.8	73.08	1.6	85.11
8.4	69.23	1.7	82.98
9.3	65.38	1.8	80.85
9.5	61.54	1.9	78.72
10.3	57.69	2.0	76.60
10.8	53.85	2.0	74.47
11.0	50.00	2.1	72.34
11.3	46.15	2.4	70.21
11.9	42.31	2.4	68.09
12.0	38.46	2.5	65.96
12.6	34.62	2.6	63.83
13.4	30.77	2.6	61.70
13.8	26.92	2.6	59.57
14.5	23.08	2.7	57.45
15.2	19.23	2.7	55.32
16.6	15.38	2.8	53.19
17.2	11.54	2.8	51.06
17.9	7.69	2.8	48.94
18.7	3.85	2.8	46.81
		2.8	44.68

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

(CONTINUED)

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
		2.9	42.55
		3.0	40.43
		3.0	38.30
		3.3	36.17
		3.3	34.04
		3.4	31.91
		3.6	29.79
		3.7	27.66
		3.8	25.53
		3.8	23.40
		4.0	21.28
		4.1	19.15
		4.1	17.02
		4.5	14.89
		4.6	12.77
		4.7	10.64
		6.1	8.51
		9.0	6.38
		16.5	4.26
		17.0	2.13
STANDARD	50.0		50.0
NUMBER	26		47
RANGE	10.64		3.58
DISPLACEM	32.52		44.88
COEF REL	3.0000		12.5363

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
3.2	100.00	0.2	100.00	6.6	100.00	0.4	100.00
3.3	96.15	0.2	96.15	6.8	96.15	0.4	96.15
3.9	92.31	0.3	92.31	7.4	92.31	0.4	92.31
4.2	88.46	0.3	88.46	8.4	88.46	0.4	88.46
4.3	84.62	0.3	84.62	8.5	84.62	0.5	84.62
4.4	80.77	0.3	80.77	8.6	80.77	0.5	80.77
4.4	76.92	0.3	76.92	8.9	76.92	0.6	76.92
4.4	73.08	0.3	73.08	8.9	73.08	0.6	73.08
4.7	69.23	0.3	69.23	9.1	69.23	0.6	69.23
4.7	65.38	0.3	65.38	9.2	65.38	0.6	65.38
5.1	61.54	0.3	61.54	9.3	61.54	0.7	61.54
6.3	57.69	0.3	57.69	9.6	57.69	0.7	57.69
6.3	53.85	0.4	53.85	9.9	53.85	0.7	53.85
6.7	50.00	0.4	50.00	9.9	50.00	0.7	50.00
6.8	46.15	0.4	46.15	10.0	46.15	0.8	46.15
6.9	42.31	0.4	42.31	10.6	42.31	0.8	42.31
8.1	38.46	0.4	38.46	10.8	38.46	0.8	38.46

A V E R A G E T U R B I D I T Y F T U H O U R L Y G R A B S A M P L E

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
10.2	34.62	0.4	34.62	11.2	34.62	0.9	34.62
10.7	30.77	0.4	30.77	11.3	30.77	1.0	30.77
10.9	26.92	0.5	26.92	11.4	26.92	1.1	26.92
11.1	23.08	0.7	23.08	11.9	23.08	1.2	23.08
11.4	19.23	0.7	19.23	11.9	19.23	1.3	19.23
12.9	15.38	0.8	15.38	12.0	15.38	1.6	15.38
14.4	11.54	0.9	11.54	12.6	11.54	1.7	11.54
21.8	7.69	1.1	7.69	12.6	7.69	2.2	7.69
29.2	3.85	1.2	3.85	15.2	3.85	7.0	3.85
STANDARD	10.0		10.0		10.0		10.0
NUMBER	26		26		26		26
RANGE	13.28		0.74		4.58		1.47
DISPLACEMENT	-7.36		9.00		-2.60		8.10
COEF REL	-0.5542		12.2310		-0.5677		5.4953

A V E R A G E T U R B I D I T Y F T U H O U R L Y G R A B S A M P L E

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
2.8	100.00	0.5	100.00	1.8	100.00	0.5	100.00
2.9	96.15	0.8	97.83	2.3	96.15	0.5	96.30
3.7	92.31	0.9	95.65	2.5	92.31	0.5	92.59
3.8	88.46	0.9	93.48	3.5	88.46	0.5	88.89
3.8	84.62	0.9	91.30	3.7	84.62	0.5	85.19
3.9	80.77	1.0	89.13	3.8	80.77	0.6	81.48
3.9	76.92	1.1	86.96	4.1	76.92	0.6	77.78
3.9	73.08	1.1	84.78	4.2	73.08	0.6	74.07
4.0	69.23	1.2	82.61	4.6	69.23	0.6	70.37
4.1	65.38	1.3	80.43	4.7	65.38	0.7	66.67
4.3	61.54	1.4	78.26	4.8	61.54	0.7	62.96
4.7	57.69	1.4	76.09	4.8	57.69	0.7	59.26
4.8	53.85	1.4	73.91	4.8	53.85	0.7	55.56
4.8	50.00	1.5	71.74	5.1	50.00	0.9	51.85
5.0	46.15	1.7	69.57	5.3	46.15	0.9	48.15
5.1	42.31	1.8	67.39	5.4	42.31	0.9	44.44
5.1	38.46	1.9	65.22	5.8	38.46	1.0	40.74
5.4	34.62	1.9	63.04	6.2	34.62	1.0	37.04
5.7	30.77	1.9	60.87	6.4	30.77	1.0	33.33
6.0	26.92	1.9	58.70	6.9	26.92	1.1	29.63
6.0	23.08	2.0	56.52	7.1	23.08	1.2	25.93
6.2	19.23	2.0	54.35	7.2	19.23	1.3	22.22
7.3	15.38	2.0	52.17	7.8	15.38	1.4	18.52
8.0	11.54	2.3	50.00	9.2	11.54	1.5	14.81
8.3	7.69	2.3	47.83	9.5	7.69	1.9	11.11
8.6	3.85	2.3	45.65	2.8	3.85	1.9	7.41
		2.3	43.48			2.8	3.70

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
		2.5	41.30				
		2.8	39.13				
		3.0	36.96				
		3.2	34.78				
		3.2	32.61				
		3.3	30.43				
		3.6	28.26				
		3.8	26.09				
		4.2	23.91				
		4.3	21.74				
		4.6	19.57				
		4.8	17.39				
		4.9	15.22				
		4.9	13.04				
		11.0	10.87				
		12.0	8.70				
		12.0	6.52				
		40.0	4.35				
		60.0	2.17				
STANDARD	10.0		10.0		10.0		10.0
NUMBER	26		46		26		27
RANGE	4.39		10.44		6.22		1.37
DISPLACEM	1.88		-1.40		0.68		8.10
COEF REL	0.4282		-0.1340		0.1093		5.8995

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
4.4	100.00	0.3	100.00
5.8	96.15	1.0	97.87
6.4	92.31	1.1	95.74
6.8	88.46	1.4	93.62
6.8	84.62	1.4	91.49
7.4	80.77	1.6	89.36
7.7	76.92	1.6	87.23
7.6	73.08	1.6	85.11
8.4	69.23	1.7	82.98
9.3	65.38	1.8	80.85
9.5	61.54	1.9	78.72
10.3	57.69	2.0	76.60
10.8	53.85	2.0	74.47
11.0	50.00	2.1	72.34
11.3	46.15	2.4	70.21
11.9	42.31	2.4	68.09
12.0	38.46	2.5	65.96
12.6	34.62	2.6	63.83
13.4	30.77	2.6	61.70
13.8	26.92	2.6	59.57
14.5	23.08	2.7	57.45
15.2	19.23	2.7	55.32
16.6	15.38	2.8	53.19
17.2	11.54	2.8	51.06
17.9	7.69	2.8	48.94
18.7	3.85	2.8	46.81
		2.8	44.68

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

(CONTINUED)

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
		2.9	42.55
		3.0	40.43
		3.0	38.30
		3.3	36.17
		3.3	34.04
		3.4	31.91
		3.6	29.79
		3.7	27.66
		3.8	25.53
		3.8	23.40
		4.0	21.28
		4.1	19.15
		4.1	17.02
		4.5	14.89
		4.6	12.77
		4.7	10.64
		6.1	8.51
		9.0	6.38
		16.5	4.26
		17.0	2.13
STANDARD	10.0		10.0
NUMBER	26		47
RANGE	10.84		3.58
DISPLACEM	-7.48		4.88
COEF REL	-0.6900		1.3631

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0	100.00	0.0	100.00	0	100.00	0	100.00
0	91.67	0.0	91.67	0	91.67	0	91.67
0	83.33	0.0	83.33	0	83.33	0	83.33
0	75.00	0.0	75.00	0	75.00	0	75.00
0	66.67	0.0	66.67	0	66.67	0	66.67
0	58.33	0.0	58.33	0	58.33	0	58.33
0	50.00	0.0	50.00	0	50.00	0	50.00
0	41.67	0.0	41.67	0	41.67	0	41.67
0	33.33	0.8	33.33	0	33.33	0	33.33
0	25.00	0.8	25.00	0	25.00	0	25.00
0	16.67	0.8	16.67	0	16.67	0	16.67
0	8.33	1.0	8.33	0	8.33	0	8.33
STANDARD	2		1.5		2		2
NUMBER	12		12		12		12
RANGE	0.0		0.95		0.0		0.0
DISPLACEMENT	1.5		0.95		1.5		1.5
COEF REL	9999.9968		0.5756		9999.9968		9999.9968

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.0	100.00	0.0	100.00	0	100.00	0	100.00
0.0	91.67	0.0	91.67	0	91.67	0	91.67
0.0	83.33	0.0	83.33	0	83.33	0	83.33
0.0	75.00	0.0	75.00	0	75.00	0	75.00
0.0	66.67	0.0	66.67	0	66.67	0	66.67
0.0	58.33	0.0	58.33	0	58.33	0	58.33
0.0	50.00	0.0	50.00	0	50.00	0	50.00
0.0	41.67	0.0	41.67	0	41.67	0	41.67
0.0	33.33	0.0	33.33	0	33.33	0	33.33
0.0	25.00	0.0	25.00	0	25.00	0	25.00
0.0	16.67	0.0	16.67	0	16.67	0	16.67
0.6	8.33	0.9	8.33	0	8.33	0	8.33
STANDARD	1.5		1.5		2		2
NUMBER	12		12		12		12
RANGE	0.47		0.70		0.0		0.0
DISPLACEM	1.03		0.80		1.5		1.5
COEF REL	2.1780		1.1552		9999.9968		9999.9968

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.0	100.00	0.0	100.00
0.0	91.67	0.0	91.67
0.0	83.33	0.0	83.33
0.0	75.00	0.0	75.00
0.0	66.67	0.0	66.67
0.0	58.33	0.0	58.33
0.0	50.00	0.0	50.00
0.0	41.67	0.6	41.67
0.0	33.33	0.6	33.33
0.0	25.00	0.9	25.00
0.8	16.67	1.0	16.67
0.9	8.33	2.9	8.33
STANDARD	1.5		1.5
NUMBER	12		12
RANGE	0.85		2.52
DISPLACEM	0.65		-1.02
COEF REL	0.7689		-0.4048

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.01	100.00	0.006	100.00	0.01	100.00	0.003	100.00
0.01	92.31	0.009	92.31	0.02	92.31	0.004	92.31
0.03	84.62	0.010	84.62	0.02	84.62	0.013	84.62
0.03	76.92	0.010	76.92	0.03	76.92	0.013	76.92
0.03	69.23	0.010	69.23	0.03	69.23	0.016	69.23
0.03	61.54	0.016	61.54	0.04	61.54	0.017	61.54
0.06	53.85	0.016	53.85	0.04	53.85	0.018	53.85
0.06	46.15	0.017	46.15	0.04	46.15	0.020	46.15
0.07	38.46	0.042	38.46	0.05	38.46	0.022	38.46
0.08	30.77	0.095	30.77	0.05	30.77	0.043	30.77
0.10	23.08	0.098	23.08	0.07	23.08	0.068	23.08
0.17	15.38	0.113	15.38	0.08	15.38	0.076	15.38
0.18	7.69	0.126	7.69	0.20	7.69	0.112	7.69
STANDARD	2.00		2.000		2.00		2.000
NUMBER	13		13		13		13
RANGE	0.160		0.1128		0.140		0.0945
DISPLACEMENT	1.822		1.8779		1.838		1.8988
COEF REL	11.3597		16.6481		13.1474		20.0931

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.01	100.00	0.005	100.00	0.01	100.00	0.005	100.00
0.02	92.31	0.006	92.31	0.03	92.31	0.007	92.31
0.02	84.62	0.006	84.62	0.03	84.62	0.008	84.62
0.02	76.92	0.009	76.92	0.03	76.92	0.008	76.92
0.03	69.23	0.010	69.23	0.04	69.23	0.009	69.23
0.03	61.54	0.011	61.54	0.04	61.54	0.010	61.54
0.04	53.85	0.011	53.85	0.05	53.85	0.012	53.85
0.04	46.15	0.012	46.15	0.13	46.15	0.014	46.15
0.04	38.46	0.013	38.46	0.26	38.46	0.014	38.46
0.04	30.77	0.014	30.77	0.28	30.77	0.026	30.77
0.05	23.08	0.025	23.08	0.29	23.08	0.028	23.08
0.05	15.38	0.065	15.38	0.42	15.38	0.032	15.38
0.09	7.69	0.097	7.69	0.45	7.69	0.118	7.69
STANDARD	2.00		2.000		2.00		2.000
NUMBER	13		13		13		13
RANGE	0.060		0.0814		0.415		0.0849
DISPLACEM	1.920		1.9126		1.556		1.9078
COEF REL	32.1358		23.4963		3.7468		22.4712

TOTAL CHLORINATED HYDROCARBONS PPB

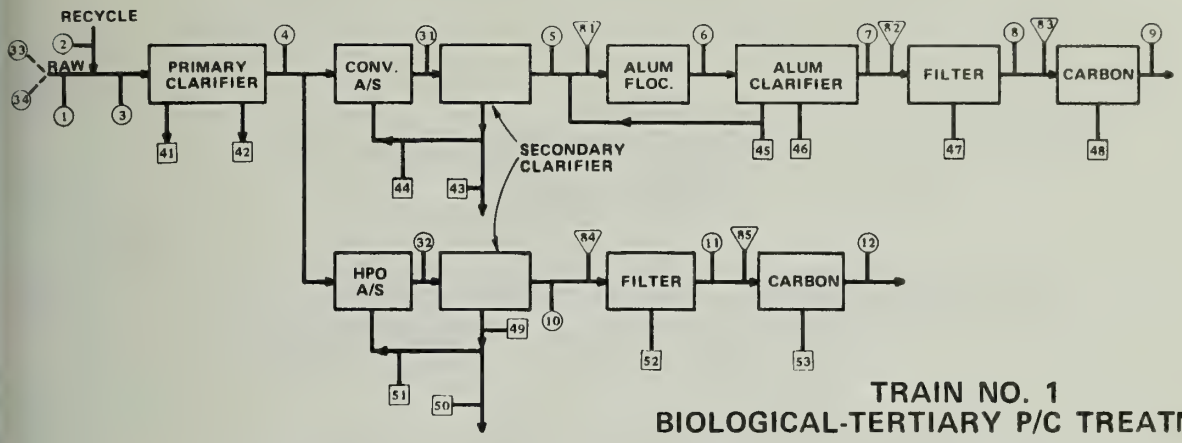
24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.04	100.00		
0.05	92.31	0.003	100.00
0.05	84.62	0.004	92.31
0.05	76.92	0.005	84.62
0.06	69.23	0.005	76.92
0.06	61.54	0.006	69.23
0.07	53.85	0.007	61.54
0.08	46.15	0.007	53.85
0.08	38.46	0.008	46.15
0.09	30.77	0.012	38.46
0.09	23.08	0.015	30.77
0.12	15.38	0.018	23.08
0.12	7.69	0.027	15.38
		0.082	7.69
STANDARD	2.00		
NUMBER	13		2.000
RANGE	0.072		13
DISPLACEM	1.880		0.0612
COEF REL	26.1181		1.9345
			31.6095

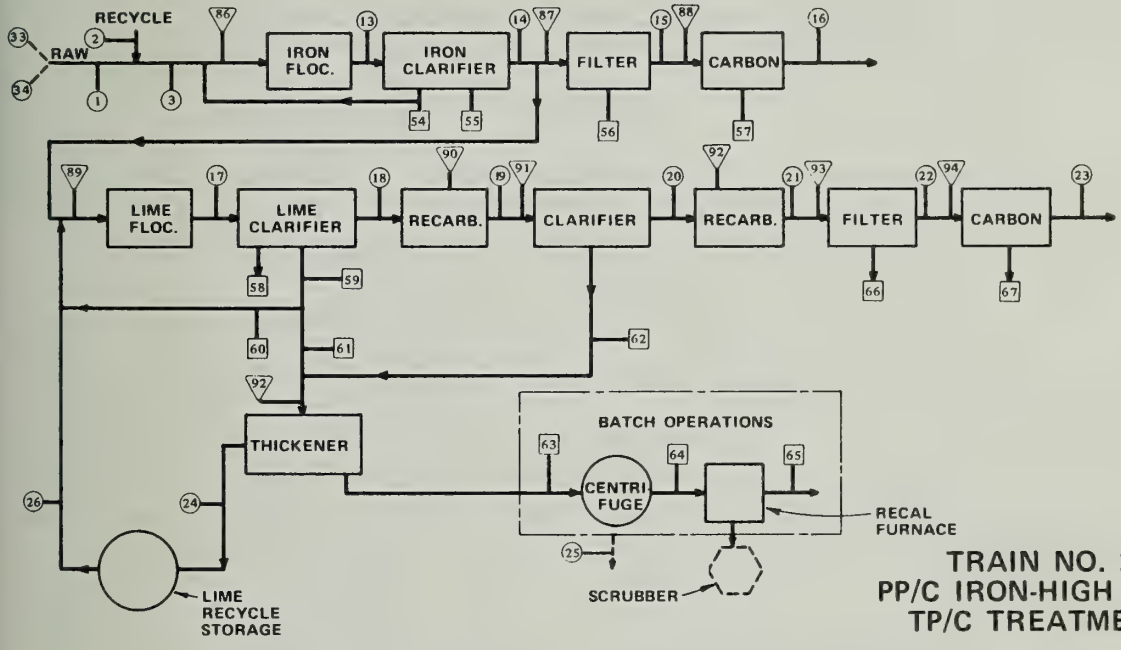
APPENDIX K

NORTH POINT-SOUTHEAST TEST DATA
COEFFICIENT OF RELIABILITY
HIGH LEVEL (10%) REQUIREMENTS

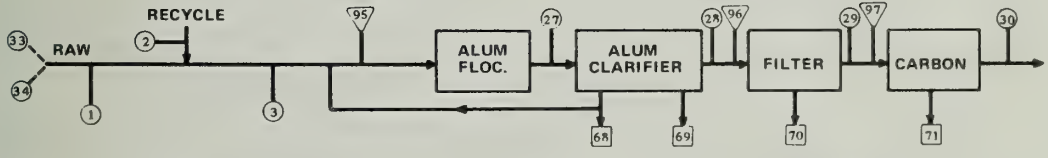
	Page
Arsenic	1
Cadmium	4
Total Chromium	7
Copper	10
Cyanide	13
Lead	16
Mercury	19
Nickel	22
Silver	25
Zinc	28
5-Day BOD	31
Oil and Grease	37
Phenol	43
Ammonia-Nitrogen	46
Floatables	52
Settleable Solids	58
Total Suspended Solids	64
Average Turbidity	76
96-Hour - Toxicity Units	82
Total Chlorinated Hydrocarbons	85



TRAIN NO. 1
BIOLOGICAL-TERTIARY P/C TREATMENT



TRAIN NO. 2
PP/C IRON-HIGH LIME
TP/C TREATMENT



TRAIN NO. 3
TERTIARY PHYSICAL/CHEMICAL TREATMENT

NOTES:

① TO ㉞ LIQUID STREAM DATA POINTS

41 TO 71 SOLID OR WASTE DATA POINTS

81 TO 97 CHEMICAL ADDITION POINTS

---- INDICATES NP + SE

㉝ SE RAW

㉞ NP RAW

SOUTHEAST PILOT PLANT
PROCESS TRAINS AND DATA COLLECTION POINTS

KEY

DATA REVIEW (RVEW) AND CORRELATION COEFFICIENT (CORL) OUTPUT

SE — Phase of Pilot Plant Study during which waste treatment alternatives were investigated for Southeast sewage.

NP+ SE — Phase of Pilot Plant during which waste treatment alternatives were investigated for North Point (75%) plus Southeast (25%) combined sewage.

Date — Date of Sample collection

Non-Specific Process - Sample stations not associated with a particular treatment process. Normally raw sewage or preliminary treated effluent.

A.S. — Activated Sludge Process

H.P.O. — High Purity Oxygen Process

50 Percent - Median value of data set

10 Percent - Value at which 10 percent of the ordered data values are larger and 90 percent of the data values are smaller.

Range (R) - Constituent range of middle 80% of data. Used in calculation of the coefficient of reliability.

Displacement (d) - Constituent displacement from 10 percentile number and given standard.

Standard(s) - Regulatory Standard to which data is compared.

Coefficient of Reliability (Cr) - Arbitrary index to measure efficiency of removal for given constituent and treatment process. Computed from $CR = \frac{1}{R} \times d$. Has range of $-\infty$ to $+\infty$. Negative values indicate noncompliance with standard.

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54	1.0	61.54	1.5	61.54
2.0	53.85	1.0	53.85	1.6	53.85	2.0	53.85
2.9	46.15	1.0	46.15	2.0	46.15	2.0	46.15
2.9	38.46	1.0	38.46	2.0	38.46	2.3	38.46
3.0	30.77	1.0	30.77	2.0	30.77	2.5	30.77
3.0	23.08	1.1	23.08	3.0	23.08	2.5	23.08
3.2	15.38	1.3	15.38	3.7	15.38	3.0	15.38
4.0	7.69	2.0	7.69	4.0	7.69	4.0	7.69
STANDARD	20.0		20.0		20.0		20.0
NUMBER	13		13		13		13
RANGE	2.76		0.79		2.91		2.70
DISPLACEMENT	16.24		18.21		16.09		16.30
COEF REL	5.8841		23.0507		5.5292		6.0370

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54	1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85	1.0	53.85	1.0	53.85
1.0	46.15	1.0	46.15	1.0	46.15	1.0	46.15
1.0	38.46	1.0	38.46	1.0	38.46	1.0	38.46
1.7	30.77	2.0	30.77	1.0	30.77	1.0	30.77
2.0	23.08	2.0	23.08	1.0	23.08	1.0	23.08
2.0	15.38	2.5	15.38	2.3	15.38	1.1	15.38
4.6	7.69	3.0	7.69	3.0	7.69	2.0	7.69
STANDARD	20.0		20.0		20.0		20.0
NUMBER	13		13		13		13
RANGE	2.82		1.85		1.79		0.73
DISPLACEM	16.18		17.15		17.21		18.27
COEF REL	5.7376		9.2703		9.6145		25.0274

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85
1.0	46.15	1.5	46.15
1.3	38.46	1.8	38.46
2.0	30.77	4.0	30.77
2.0	23.08	5.0	23.08
2.3	15.38	6.3	15.38
2.3	7.69	21.0	7.69
STANDARD	20.0		20.0
NUMBER	13		13
RANGE	1.30		15.59
DISPLACEM	17.70		3.41
COEF REL	13.6154		0.2187

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.8	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.1	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.1	69.23	1.0	69.23
1.0	61.54	1.0	61.54	1.2	61.54	1.0	61.54
1.2	53.85	1.0	53.85	1.3	53.85	1.0	53.85
1.6	46.15	1.0	46.15	1.3	46.15	1.0	46.15
1.7	38.46	1.0	38.46	1.5	38.46	1.0	38.46
1.9	30.77	1.0	30.77	1.5	30.77	1.0	30.77
2.2	23.08	1.0	23.08	1.5	23.08	1.0	23.08
2.5	15.38	1.0	15.38	1.5	15.38	1.3	15.38
17.0	7.69	1.0	7.69	1.6	7.69	1.3	7.69
STANDARD	30.0		30.0		30.0		30.0
NUMBER	13		13		13		13
RANGE	11.65		0.00		0.57		0.30
DISPLACEMENT	17.35		29.00		28.43		28.70
COEF REL	1.4893		9999.9968		49.8772		95.6667

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.7	100.00	0.4	100.00	0.1	100.00	0.5	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54	1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85	1.0	53.85	1.0	53.85
1.0	46.15	1.0	46.15	1.0	46.15	1.0	46.15
1.0	38.46	1.0	38.46	1.0	38.46	1.0	38.46
1.0	30.77	1.0	30.77	1.0	30.77	1.0	30.77
1.0	23.08	1.0	23.08	1.0	23.08	1.0	23.08
1.5	15.38	1.5	15.38	1.0	15.38	1.0	15.38
2.5	7.69	1.7	7.69	1.0	7.69	1.0	7.69
STANDARD	30.0		30.0		30.0		30.0
NUMBER	13		13		13		13
RANGE	1.20		0.64		0.00		0.00
DISPLACEM	27.80		28.36		29.00		29.00
COEF REL	23.1667		44.3125		9999.9968		9999.9968

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.2	100.00	0.6	100.00
1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85
1.0	46.15	1.0	46.15
1.0	38.46	1.0	38.46
1.0	30.77	1.0	30.77
1.0	23.08	1.0	23.08
1.1	15.38	1.0	15.38
1.4	7.69	1.4	7.69
STANDARD	30.0		30.0
NUMBER	13		13
RANGE	0.31		0.28
DISPLACEM	28.69		28.72
COEF REL	92.5485		102.5717

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
60	100.00	7.0	100.00	70	100.00	12	100.00
64	92.31	22.5	92.31	98	92.31	25	92.31
70	84.62	25.0	84.62	105	84.62	26	84.62
80	76.92	30.0	76.92	109	76.92	26	76.92
85	69.23	30.0	69.23	120	69.23	30	69.23
85	61.54	31.0	61.54	120	61.54	39	61.54
94	53.85	33.0	53.85	140	53.85	40	53.85
100	46.15	40.0	46.15	210	46.15	43	46.15
110	38.46	41.0	38.46	220	38.46	52	38.46
170	30.77	50.0	30.77	230	30.77	55	30.77
220	23.08	61.0	23.08	240	23.08	55	23.08
280	15.38	80.0	15.38	250	15.38	60	15.38
1,300	7.69	100.0	7.69	250	7.69	90	7.69
STANDARD	10		10.0		10		10
NUMBER	13		13		13		13
RANGE	928.2		70.75		149.9		55.7
DISPLACEMENT	-984.0		-84.00		-240.0		-71.0
COEF REL	-1.0601		-1.1873		-1.6011		-1.2747

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
22	100.00	7.0	100.00	5.0	100.00	8.0	100.00
39	92.31	18.0	92.31	24.0	92.31	20.0	92.31
40	84.62	23.0	84.62	25.0	84.62	26.0	84.62
43	76.92	25.0	76.92	30.0	76.92	26.0	76.92
44	69.23	26.0	69.23	32.0	69.23	28.0	69.23
48	61.54	30.0	61.54	35.0	61.54	30.0	61.54
54	53.85	40.0	53.85	40.0	53.85	32.0	53.85
59	46.15	40.0	46.15	40.0	46.15	32.0	46.15
60	38.46	44.0	38.46	51.0	38.46	36.0	38.46
75	30.77	45.0	30.77	53.0	30.77	43.0	30.77
96	23.08	49.0	23.08	53.0	23.08	50.0	23.08
125	15.38	55.0	15.38	80.0	15.38	53.0	15.38
130	7.69	100.0	7.69	50.0	7.69	130.0	7.69
STANDARD	10		10.0		10.0		10.0
NUMBER	13		13		13		13
RANGE	89.2		67.00		314.70		85.10
DISPLACEM	-118.5		-76.50		-329.00		-96.90
COEF REL	-1.3285		-1.1418		-1.0454		-1.1387

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
17	100.00	7.0	100.00
47	92.31	25.0	92.31
53	84.62	33.0	84.62
60	76.92	37.0	76.92
65	69.23	38.0	69.23
70	61.54	38.0	61.54
71	53.85	40.0	53.85
85	46.15	45.0	46.15
85	38.46	50.0	38.46
88	30.77	60.0	30.77
88	23.08	97.5	23.08
95	15.38	130.0	15.38
140	7.69	180.0	7.69
STANDARD	10		10.0
NUMBER	13		13
RANGE	77.7		137.60
DISPLACEM	-116.5		-155.00
COEF REL	-1.4994		-1.1265

COPPER MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
8.0	100.00	5.0	100.00	8.0	100.00	4.0	100.00
8.0	92.31	5.0	92.31	10.0	92.31	4.0	92.31
8.0	84.62	5.0	84.62	15.0	84.62	5.0	84.62
11.0	76.92	5.0	76.92	17.0	76.92	5.0	76.92
12.0	69.23	44.0	69.23	18.0	69.23	5.0	69.23
12.0	61.54	50.0	61.54	18.0	61.54	5.0	61.54
14.0	53.85	89.0	53.85	20.0	53.85	5.0	53.85
17.0	46.15	95.0	46.15	22.0	46.15	5.0	46.15
18.0	38.46	98.0	38.46	27.0	38.46	5.0	38.46
20.0	30.77	110.0	30.77	27.0	30.77	5.0	30.77
28.0	23.08	240.0	23.08	30.0	23.08	6.0	23.08
39.0	15.38	263.0	15.38	31.0	15.38	9.0	15.38
56.0	7.69	340.0	7.69	60.0	7.69	20.0	7.69
STANDARD	300.0		300.0		300.0		300.0
NUMBER	13		13		13		13
RANGE	42.90		311.90		39.80		12.40
DISPLACEMENT	249.10		-16.90		248.70		283.30
COEF REL	5.8065		-0.0542		6.2487		22.8468

COPPER MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
3.0	100.00	6.0	100.00	1.0	100.00	1.0	100.00
5.0	92.31	7.0	92.31	1.0	92.31	5.0	92.31
5.0	84.62	7.5	84.62	4.0	84.62	5.0	84.62
5.4	76.92	10.0	76.92	5.0	76.92	6.0	76.92
7.0	69.23	26.0	69.23	5.0	69.23	6.0	69.23
7.5	61.54	35.0	61.54	5.0	61.54	8.0	61.54
8.0	53.85	40.0	53.85	5.0	53.85	8.0	53.85
8.0	46.15	48.0	46.15	5.0	46.15	11.0	46.15
6.0	38.46	49.0	38.46	5.0	38.46	12.0	38.46
10.0	30.77	56.0	30.77	5.0	30.77	13.0	30.77
13.0	23.08	56.0	23.08	5.0	23.08	13.0	23.08
15.0	15.38	90.0	15.38	5.0	15.38	16.0	15.38
21.0	7.69	120.0	7.69	5.5	7.69	460.0	7.69
STANDARD	300.0		300.0		300.0		300.0
NUMBER	13		13		13		13
RANGE	14.20		103.85		3.45		321.80
DISPLACEM	280.80		189.00		294.65		-26.80
COEF REL	19.7747		1.8199		85.4058		-0.0833

COPPER MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
9.5	100.00	5.0	100.00
10.0	92.31	5.0	92.31
11.0	84.62	5.0	84.62
11.0	76.92	5.0	76.92
12.0	69.23	5.5	69.23
13.0	61.54	6.0	61.54
15.0	53.85	10.0	53.85
15.0	46.15	12.0	46.15
18.0	38.46	32.0	38.46
20.0	30.77	38.0	30.77
21.0	23.08	56.0	23.08
60.0	15.38	57.0	15.38
180.0	7.69	460.0	7.69
STANDARD	300.0		300.0
NUMBER	13		13
RANGE	133.70		334.10
DISPLACEM	156.00		-39.10
COEF REL	1.1668		-0.1170

CYANIDE MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.01	100.00	0.01	100.00	0.01	100.00	0.01	100.00
0.01	92.31	0.01	92.31	0.01	92.31	0.01	92.31
0.01	84.62	0.01	84.62	0.01	84.62	0.01	84.62
0.01	76.92	0.01	76.92	0.01	76.92	0.01	76.92
0.01	69.23	0.01	69.23	0.01	69.23	0.01	69.23
0.01	61.54	0.01	61.54	0.01	61.54	0.01	61.54
0.01	53.85	0.01	53.85	0.01	53.85	0.01	53.85
0.01	46.15	0.01	46.15	0.01	46.15	0.01	46.15
0.01	38.46	0.01	38.46	0.01	38.46	0.01	38.46
0.01	30.77	0.01	30.77	0.01	30.77	0.01	30.77
0.01	23.08	0.01	23.08	0.01	23.08	0.01	23.08
0.01	15.38	0.01	15.38	0.01	15.38	0.01	15.38
0.01	7.69	0.01	7.69	0.03	7.69	0.01	7.69
STANDARD	0.20		0.20		0.20		0.20
NUMBER	13		13		13		13
RANGE	0.000		0.000		0.014		0.000
DISPLACEMENT	0.190		0.190		0.176		0.190
COEF REL	9999.9968		9999.9968		12.5715		9999.9968

CYANIDE MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.01	100.00	0.01	100.00	0.01	100.00	0.01	100.00
0.01	92.31	0.01	92.31	0.01	92.31	0.01	92.31
0.01	84.62	0.01	84.62	0.01	84.62	0.01	84.62
0.01	76.92	0.01	76.92	0.01	76.92	0.01	76.92
0.01	69.23	0.01	69.23	0.01	69.23	0.01	69.23
0.01	61.54	0.01	61.54	0.01	61.54	0.01	61.54
0.02	53.85	0.01	53.85	0.01	53.85	0.01	53.85
0.02	46.15	0.01	46.15	0.01	46.15	0.01	46.15
0.02	38.46	0.01	38.46	0.01	38.46	0.01	38.46
0.02	30.77	0.01	30.77	0.02	30.77	0.01	30.77
0.02	23.08	0.01	23.08	0.02	23.08	0.02	23.08
0.04	15.38	0.04	15.38	0.03	15.38	0.02	15.38
0.05	7.69	0.06	7.69	0.10	7.69	0.05	7.69
STANDARD	0.20		0.20		0.20		0.20
NUMBER	13		13		13		13
RANGE	0.037		0.044		0.069		0.031
DISPLACEM	0.153		0.146		0.121		0.159
COEF REL	4.1351		3.3182		1.7536		5.1290

CYANIDE MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.01	100.00	0.01	100.00
0.01	92.31	0.01	92.31
0.01	84.62	0.01	84.62
0.01	76.92	0.01	76.92
0.01	69.23	0.01	69.23
0.02	61.54	0.01	61.54
0.02	53.85	0.01	53.85
0.02	46.15	0.01	46.15
0.02	38.46	0.01	38.46
0.03	30.77	0.02	30.77
0.03	23.08	0.02	23.08
0.06	15.38	0.03	15.38
0.06	7.69	0.05	7.69
STANDARD	0.20		0.20
NUMBER	13		13
RANGE	0.050		0.034
DISPLACEM	0.140		0.156
COEF REL	2.8000		4.5882

LEAD MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
5.0	100.00	5.0	100.00	8.0	100.00	5.0	100.00
10.0	92.31	5.0	92.31	11.0	92.31	5.0	92.31
15.0	84.62	5.0	84.62	18.0	84.62	5.0	84.62
15.0	76.92	5.0	76.92	18.0	76.92	5.0	76.92
15.0	69.23	5.0	69.23	19.0	69.23	5.0	69.23
15.0	61.54	5.0	61.54	20.0	61.54	5.0	61.54
18.0	53.85	5.0	53.85	22.0	53.85	5.0	53.85
19.0	46.15	5.0	46.15	24.0	46.15	5.0	46.15
20.0	38.46	5.0	38.46	25.0	38.46	5.0	38.46
20.0	30.77	6.5	30.77	27.0	30.77	6.5	30.77
22.0	23.08	8.0	23.08	35.0	23.08	7.5	23.08
25.0	15.38	9.4	15.38	80.0	15.38	9.0	15.38
50.0	7.69	40.0	7.69	120.0	7.69	13.0	7.69
STANDARD	200.0		200.0		200.0		200.0
NUMBER	13		13		13		13
RANGE	31.00		25.82		94.90		6.80
DISPLACEMENT	157.50		169.18		92.00		188.20
COEF REL	5.0807		6.5523		0.9694		27.6765

LEAD MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
5.0	100.00	1.0	100.00	5.0	100.00	5.0	100.00
5.0	92.31	5.0	92.31	5.0	92.31	5.0	92.31
5.0	84.62	5.0	84.62	5.0	84.62	5.0	84.62
5.0	76.92	5.0	76.92	5.0	76.92	5.0	76.92
5.0	69.23	5.0	69.23	5.0	69.23	5.0	69.23
5.0	61.54	5.0	61.54	5.0	61.54	5.0	61.54
7.0	53.85	5.0	53.85	5.0	53.85	5.0	53.85
8.0	46.15	5.0	46.15	5.0	46.15	5.0	46.15
10.0	38.46	5.0	38.46	5.0	38.46	5.0	38.46
11.0	30.77	5.0	30.77	7.0	30.77	5.0	30.77
13.0	23.08	6.0	23.08	7.5	23.08	5.0	23.08
16.0	15.38	8.0	15.38	9.0	15.38	5.0	15.38
23.0	7.69	22.0	7.69	17.0	7.69	5.0	7.69
STANDARD	200.0		200.0		200.0		200.0
NUMBER	13		13		13		13
RANGE	15.90		12.80		9.60		0.00
DISPLACEM	179.10		182.20		185.40		195.00
COEF REL	11.2642		14.2344		19.3125		9999.9968

LEAD MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
5.0	100.00	5.0	100.00
6.5	92.31	5.0	92.31
8.0	84.62	5.0	84.62
8.0	76.92	5.0	76.92
10.0	69.23	5.0	69.23
10.0	61.54	5.0	61.54
10.0	53.85	5.0	53.85
12.0	46.15	5.0	46.15
18.0	38.46	6.0	38.46
22.0	30.77	6.0	30.77
26.0	23.08	9.5	23.08
40.0	15.38	10.0	15.38
40.0	7.69	12.0	7.69
STANDARD	200.0		200.0
NUMBER	13		13
RANGE	33.05		6.40
DISPLACEM	160.00		188.60
COEF REL	4.8412		29.4688

MERCURY MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54	1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85	1.0	53.85	1.0	53.85
1.0	46.15	1.0	46.15	1.0	46.15	1.0	46.15
1.0	38.46	1.0	38.46	1.0	38.46	1.0	38.46
1.2	30.77	1.0	30.77	1.0	30.77	1.0	30.77
1.6	23.08	1.0	23.08	1.0	23.08	1.0	23.08
1.7	15.38	1.0	15.38	2.0	15.38	1.0	15.38
4.7	7.69	1.0	7.69	2.1	7.69	2.0	7.69
STANDARD	2.0		2.0		2.0		2.0
NUMBER	13		13		13		13
RANGE	2.80		0.00		1.07		0.70
DISPLACEMENT	-1.80		1.00		-0.07		0.30
COEF REL	-0.6429		9999.9968		-0.0654		0.4286

MERCURY MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
1.0	100.00	1.0	100.00	1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54	1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85	1.0	53.85	1.0	53.85
1.0	46.15	1.0	46.15	1.0	46.15	1.0	46.15
1.0	38.46	1.0	38.46	1.0	38.46	1.0	38.46
1.0	30.77	1.0	30.77	1.0	30.77	1.0	30.77
1.0	23.08	1.0	23.08	1.0	23.08	1.0	23.08
1.0	15.38	1.0	15.38	1.0	15.38	1.0	15.38
1.4	7.69	2.0	7.69	5.1	7.69	1.0	7.69
STANDARD	2.0		2.0		2.0		2.0
NUMBER	13		13		13		13
RANGE	0.28		0.70		2.87		0.00
DISPLACEM	0.72		0.30		-1.87		1.00
COEF REL	2.5714		0.4286		-0.6516		9999.9968

MERCURY MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
1.0	100.00	1.0	100.00
1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23
1.0	61.54	1.0	61.54
1.0	53.85	1.0	53.85
1.0	46.15	1.0	46.15
1.0	38.46	1.0	38.46
1.0	30.77	1.0	30.77
1.0	23.08	1.0	23.08
1.0	15.38	1.0	15.38
4.8	7.69	2.6	7.69
STANDARD	2.0		2.0
NUMBER	13		13
RANGE	2.66		1.12
DISPLACEM	-1.66		-0.12
COEF REL	-0.6241		-0.1071

NICKEL MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
15	100.00	11	100.00	13	100.00	21	100.00
26	92.31	15	92.31	27	92.31	22	92.31
28	84.62	15	84.62	28	84.62	24	84.62
30	76.92	18	76.92	30	76.92	25	76.92
31	69.23	18	69.23	31	69.23	26	69.23
31	61.54	20	61.54	32	61.54	28	61.54
32	53.85	20	53.85	40	53.85	30	53.85
32	46.15	21	46.15	40	46.15	30	46.15
33	38.46	29	38.46	41	38.46	31	38.46
34	30.77	30	30.77	45	30.77	33	30.77
38	23.08	31	23.08	54	23.08	33	23.08
40	15.38	40	15.38	58	15.38	37	15.38
50	7.69	79	7.69	84	7.69	47	7.69
STANDARD	200		200		200		200
NUMBER	13		13		13		13
RANGE	20.4		52.3		48.9		21.4
DISPLACEMENT	153.0		132.7		123.8		156.0
COEF REL	7.5000		2.5373		2.5317		7.2897

NICKEL MICRO-G/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
23	100.00	15	100.00	10.0	100.00	11	100.00
28	92.31	16	92.31	11.0	92.31	11	92.31
33	84.62	18	84.62	13.0	84.62	12	84.62
37	76.92	20	76.92	14.0	76.92	12	76.92
38	69.23	20	69.23	14.0	69.23	12	69.23
41	61.54	28	61.54	17.0	61.54	15	61.54
41	53.85	30	53.85	19.0	53.85	16	53.85
42	46.15	33	46.15	20.0	46.15	18	46.15
46	38.46	34	38.46	21.0	38.46	20	38.46
62	30.77	39	30.77	22.0	30.77	20	30.77
66	23.08	47	23.08	22.0	23.08	20	23.08
68	15.38	51	15.38	23.0	15.38	27	15.38
90	7.69	230	7.69	27.0	7.69	28	7.69
STANDARD	200		200		200.0		200
NUMBER	13		13		13		13
RANGE	53.9		159.7		14.20		16.4
DISPLACEM	116.6		23.7		174.20		172.3
COEF REL	2.1633		0.1484		12.2676		10.5061

NICKEL MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
17	100.00	10.0	100.00
17	92.31	11.0	92.31
21	84.62	15.0	84.62
21	76.92	15.0	76.92
25	69.23	15.0	69.23
27	61.54	20.0	61.54
27	53.85	20.0	53.85
30	46.15	21.0	46.15
32	38.46	26.0	38.46
35	30.77	29.0	30.77
40	23.08	32.0	23.08
40	15.38	54.0	15.38
47	7.69	56.0	7.69
STANDARD	200		200.0
NUMBER	13		13
RANGE	26.7		43.20
DISPLACEM	155.1		144.60
COEF REL	5.8090		3.3472

S I L V E R M I C R O - G / L

2 4 H O U R C O M P O S I T E

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	0.5	100.00	1.0	100.00	0.5	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.9	76.92	1.0	76.92	1.0	76.92	1.0	76.92
2.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
2.0	61.54	1.3	61.54	2.5	61.54	1.0	61.54
3.0	53.85	2.0	53.85	3.2	53.85	1.0	53.85
3.4	46.15	2.0	46.15	5.0	46.15	1.0	46.15
3.8	38.46	3.0	38.46	6.0	38.46	1.1	38.46
5.0	30.77	19.0	30.77	7.8	30.77	1.4	30.77
5.0	23.08	22.0	23.08	9.0	23.08	2.0	23.08
6.3	15.38	32.0	15.38	10.0	15.38	3.0	15.38
14.0	7.69	70.0	7.69	11.0	7.69	4.0	7.69
STANDARD	40.0		40.0		40.0		40.0
NUMBER	13		13		13		13
RANGE	10.69		57.60		9.70		2.70
DISPLACEMENT	28.31		-18.60		29.30		36.30
COEF REL	2.6483		-0.3229		3.0206		13.4444

S I L V E R M I C R O - G / L

2 4 H O U R C O M P O S I T E

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.5	100.00	1.0	100.00	0.5	100.00	0.5	100.00
1.0	92.31	1.0	92.31	1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62	1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92	1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23	1.0	69.23	1.0	69.23
1.0	61.54	1.3	61.54	1.0	61.54	1.0	61.54
1.0	53.85	2.0	53.85	1.0	53.85	1.0	53.85
1.2	46.15	2.0	46.15	1.0	46.15	1.4	46.15
2.0	38.46	2.7	38.46	1.0	38.46	1.5	38.46
2.1	30.77	7.8	30.77	1.0	30.77	1.5	30.77
3.6	23.08	12.0	23.08	1.0	23.08	2.0	23.08
4.0	15.38	12.0	15.38	1.5	15.38	3.6	15.38
5.0	7.69	16.0	7.69	1.5	7.69	9.0	7.69
STANDARD	40.0		40.0		40.0		40.0
NUMBER	13		13		13		13
RANGE	3.70		13.80		0.50		6.38
DISPLACEM	35.30		25.20		38.50		32.62
COEF REL	9.5405		1.8261		77.0000		5.1129

SILVER MICRO-G/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
1.0	100.00	0.5	100.00
1.0	92.31	1.0	92.31
1.0	84.62	1.0	84.62
1.0	76.92	1.0	76.92
1.0	69.23	1.0	69.23
1.4	61.54	1.0	61.54
2.4	53.85	1.0	53.85
3.0	46.15	1.0	46.15
4.0	38.46	1.0	38.46
5.5	30.77	1.4	30.77
5.9	23.08	1.5	23.08
5.9	15.38	1.8	15.38
11.0	7.69	4.9	7.69
STANDARD	40.0		40.0
NUMBER	13		13
RANGE	8.47		2.97
DISPLACEM	30.53		36.03
COEF REL	3.6045		12.1313

ZINC MICRO-G/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
130	100.00	17	100.00	150	100.00	160	100.00
170	92.31	20	92.31	260	92.31	170	92.31
220	84.62	28	84.62	270	84.62	170	84.62
220	76.92	31	76.92	280	76.92	170	76.92
230	69.23	34	69.23	280	69.23	180	69.23
230	61.54	45	61.54	310	61.54	190	61.54
290	53.85	63	53.85	320	53.85	230	53.85
320	46.15	100	46.15	320	46.15	250	46.15
330	38.46	140	38.46	350	38.46	280	38.46
350	30.77	140	30.77	380	30.77	290	30.77
380	23.08	170	23.08	540	23.08	300	23.08
380	15.38	170	15.38	590	15.38	310	15.38
620	7.69	220	7.69	680	7.69	330	7.69
STANDARD	500		500		500		500
NUMBER	13		13		13		13
RANGE	365.0		182.6		390.0		154.0
DISPLACEMENT	-48.0		295.0		-153.0		176.0
COEF REL	-0.1322		1.6156		-0.3923		1.1429

Z I N C M I C R O - G / L

2 4 H O U R C O M P O S I T E

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
88	100.00	16	100.00	14	100.00	12	100.00
98	92.31	23	92.31	18	92.31	12	92.31
110	84.62	24	84.62	19	84.62	14	84.62
130	76.92	30	76.92	20	76.92	14	76.92
180	69.23	32	69.23	20	69.23	19	69.23
190	61.54	33	61.54	21	61.54	27	61.54
200	53.85	34	53.85	22	53.85	28	53.85
200	46.15	35	46.15	23	46.15	28	46.15
210	38.46	45	38.46	23	38.46	30	38.46
230	30.77	67	30.77	24	30.77	31	30.77
320	23.08	71	23.08	25	23.08	34	23.08
400	15.38	120	15.38	31	15.38	44	15.38
620	7.69	200	7.69	240	7.69	47	7.69
STANDARD	500		500		500		500
NUMBER	13		13		13		13
RANGE	452.4		152.7		159.0		33.5
DISPLACEM	-54.0		324.0		322.7		453.9
COEF REL	-0.1194		2.1218		2.0296		13.5493

Z I N C M I C R O - G / L

2 4 H O U R C O M P O S I T E

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
51	100.00	18	100.00
72	92.31	26	92.31
74	84.62	29	84.62
77	76.92	35	76.92
86	69.23	35	69.23
100	61.54	36	61.54
100	53.85	37	53.85
110	46.15	44	46.15
150	38.46	47	38.46
180	30.77	54	30.77
190	23.08	93	23.08
230	15.38	110	15.38
280	7.69	540	7.69
STANDARD	500		500
NUMBER	13		13
RANGE	192.4		384.1
DISPLACEM	235.0		89.0
COEF REL	1.2214		0.2317

5 DAY BOD MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.0	100.00	0.9	100.00	3.3	100.00	1.0	100.00
1.3	96.00	1.0	96.00	4.1	96.00	1.3	96.00
1.5	92.00	1.0	92.00	4.2	92.00	1.6	92.00
4.0	88.00	1.1	88.00	4.2	88.00	1.9	88.00
4.2	84.00	1.2	84.00	4.7	84.00	2.0	84.00
4.4	80.00	1.3	80.00	5.1	80.00	2.2	80.00
4.5	76.00	1.4	76.00	5.2	76.00	2.3	76.00
5.0	72.00	1.6	72.00	5.3	72.00	2.5	72.00
5.3	68.00	1.7	68.00	5.9	68.00	2.5	68.00
5.7	64.00	1.9	64.00	6.1	64.00	3.1	64.00
5.9	60.00	2.3	60.00	6.3	60.00	3.1	60.00
6.2	56.00	2.3	56.00	6.6	56.00	3.3	56.00
7.0	52.00	2.5	52.00	6.9	52.00	3.4	52.00
7.6	48.00	2.5	48.00	7.7	48.00	3.8	48.00
7.9	44.00	2.8	44.00	7.8	44.00	3.9	44.00
8.9	40.00	3.1	40.00	7.9	40.00	4.1	40.00

5 DAY BOD MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
9.0	36.00	3.2	36.00	8.2	36.00	4.2	36.00
9.1	32.00	3.3	32.00	8.4	32.00	5.1	32.00
9.7	28.00	3.8	28.00	9.0	28.00	5.2	28.00
9.8	24.00	4.2	24.00	10.1	24.00	5.5	24.00
12.8	20.00	4.4	20.00	10.4	20.00	6.5	20.00
33.7	16.00	4.5	16.00	10.5	16.00	9.5	16.00
41.6	12.00	4.5	12.00	11.1	12.00	10.3	12.00
59.7	8.00	5.4	8.00	11.7	8.00	11.4	8.00
104.0	4.00	8.0	4.00	15.8	4.00	12.2	4.00
STANDARD	45.0		45.0		45.0		45.0
NUMBER	25		25		25		25
RANGE	47.90		3.92		7.20		9.10
DISPLACEMENT	-5.65		40.03		33.60		34.15
COEF REL	-0.1180		10.2117		4.6667		3.7527

5 DAY BOD MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
7.2	100.00	1.0	100.00	1.5	100.00	2.1	100.00
10.8	96.00	1.8	96.30	3.8	96.00	5.2	96.00
11.9	92.00	5.5	92.59	13.6	92.00	12.5	92.00
13.0	88.00	5.7	88.89	15.7	88.00	13.4	88.00
13.4	84.00	7.3	85.19	15.9	84.00	13.4	84.00
15.8	80.00	8.1	81.48	20.1	80.00	14.8	80.00
18.2	76.00	9.0	77.78	20.5	76.00	15.2	76.00
20.2	72.00	9.1	74.07	22.1	72.00	16.2	72.00
20.3	68.00	9.7	70.37	24.7	68.00	18.1	68.00
21.3	64.00	12.7	66.67	25.3	64.00	18.2	64.00
21.9	60.00	13.1	62.96	29.9	60.00	19.2	60.00
33.1	56.00	13.6	59.26	30.1	56.00	21.4	56.00
33.9	52.00	13.8	55.56	32.0	52.00	21.5	52.00
35.3	48.00	14.4	51.85	37.2	48.00	22.7	48.00
35.8	44.00	14.9	48.15	38.2	44.00	27.4	44.00
40.9	40.00	16.3	44.44	45.1	40.00	31.3	40.00
43.0	36.00	18.8	40.74	46.2	36.00	31.5	36.00

5 DAY BOD MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
44.0	32.00	22.4	37.04	46.4	32.00	31.8	32.00
46.4	28.00	26.9	33.33	48.6	28.00	41.1	28.00
50.4	24.00	28.6	29.63	48.8	24.00	42.2	24.00
53.7	20.00	29.1	25.93	52.1	20.00	42.3	20.00
57.2	16.00	29.1	22.22	52.4	16.00	44.7	16.00
61.3	12.00	29.3	18.52	52.6	12.00	46.2	12.00
68.0	8.00	38.7	14.81	56.9	8.00	46.6	8.00
87.4	4.00	41.2	11.11	80.0	4.00	54.6	4.00
18.7	3.85	43.7	7.41	12.8	3.85	1.9	7.41
		49.5	3.70			2.8	3.70
STANDARD	45.0		45.0		45.0		45.0
NUMBER	26		27		26		27
RANGE	63.20		36.31		51.28		25.66
DISPLACEM	-30.76		3.05		-21.14		6.21
COEF REL	-0.4867		0.0840		-0.4122		0.2420

5 DAY BOD MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
11	100.00	1.4	100.00
11	96.00	1.6	96.00
13	92.00	2.9	92.00
17	88.00	3.4	88.00
17	84.00	3.5	84.00
18	80.00	3.6	80.00
21	76.00	3.9	76.00
21	72.00	4.0	72.00
27	68.00	4.0	68.00
31	64.00	4.2	64.00
31	60.00	4.3	60.00
33	56.00	4.6	56.00
33	52.00	5.6	52.00
34	48.00	5.6	48.00
35	44.00	6.0	44.00
36	40.00	6.3	40.00

5 DAY BOD MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
36	36.00	6.7	36.00
37	32.00	7.1	32.00
42	28.00	7.8	28.00
44	24.00	15.3	24.00
54	20.00	16.0	20.00
58	16.00	17.0	16.00
74	12.00	26.7	12.00
98	8.00	30.4	8.00
115	4.00	58.9	4.00
STANDARD	45		45.0
NUMBER	25		25
RANGE	71.3		25.40
DISPLACEM	-41.0		16.45
COEF REL	-0.5753		0.6476

OIL & GREASE MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.4	88.00	0.1	88.00
0.4	84.00	0.2	84.00	0.8	84.00	0.1	84.00
0.4	80.00	0.2	80.00	1.2	80.00	0.1	80.00
1.0	76.00	0.6	76.00	1.4	76.00	0.4	76.00
1.0	72.00	0.8	72.00	1.8	72.00	0.6	72.00
1.4	68.00	1.0	68.00	2.0	68.00	0.6	68.00
1.6	64.00	1.0	64.00	2.2	64.00	1.4	64.00
1.6	60.00	1.2	60.00	2.4	60.00	1.4	60.00
1.8	56.00	1.4	56.00	2.4	56.00	1.6	56.00
2.0	52.00	1.6	52.00	2.4	52.00	1.6	52.00
2.0	48.00	2.0	48.00	2.4	48.00	1.6	48.00
2.2	44.00	2.4	44.00	2.4	44.00	1.6	44.00
2.2	40.00	2.6	40.00	2.6	40.00	1.8	40.00

OIL & GREASE MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
2.2	36.00	2.8	36.00	2.6	36.00	2.6	36.00
2.6	32.00	3.2	32.00	2.8	32.00	2.8	32.00
2.8	28.00	3.6	28.00	3.0	28.00	2.8	28.00
3.0	24.00	4.2	24.00	3.4	24.00	3.0	24.00
3.4	20.00	4.6	20.00	4.0	20.00	3.6	20.00
5.4	16.00	5.0	16.00	4.8	16.00	4.4	16.00
5.8	12.00	13.2	12.00	13.2	12.00	5.0	12.00
7.4	8.00	17.6	8.00	15.2	8.00	5.4	8.00
25.2	4.00	18.4	4.00	33.6	4.00	10.6	4.00
STANDARD	15.0		15.0		15.0		15.0
NUMBER	25		25		25		25
RANGE	6.50		15.30		13.95		5.10
DISPLACEMENT	8.40		-0.40		0.80		9.80
COEF REL	1.2923		-0.0261		0.0573		1.9216

O I L & G R E A S E M G / L

2 4 H O U R C O M P O S I T E

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.2	84.00	0.1	84.00
0.2	80.00	0.1	80.00	0.8	80.00	0.1	80.00
0.6	76.00	0.6	76.00	1.0	76.00	0.2	76.00
0.8	72.00	1.0	72.00	1.4	72.00	0.4	72.00
1.0	68.00	1.0	68.00	1.6	68.00	0.6	68.00
1.0	64.00	1.0	64.00	2.0	64.00	0.6	64.00
1.4	60.00	1.0	60.00	2.0	60.00	0.8	60.00
1.6	56.00	1.2	56.00	2.6	56.00	1.0	56.00
1.6	52.00	1.2	52.00	2.6	52.00	1.0	52.00
1.8	48.00	1.4	48.00	2.6	48.00	1.0	48.00
1.8	44.00	1.4	44.00	2.8	44.00	1.6	44.00
1.8	40.00	1.6	40.00	3.0	40.00	1.6	40.00

O I L & G R E A S E M G / L

2 4 H O U R C O M P O S I T E

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
2.4	36.00	2.0	36.00	3.0	36.00	1.6	36.00
2.4	32.00	2.2	32.00	3.0	32.00	1.8	32.00
2.6	28.00	2.4	28.00	3.4	28.00	1.8	28.00
2.6	24.00	2.4	24.00	3.8	24.00	1.8	24.00
2.8	20.00	2.6	20.00	3.8	20.00	2.2	20.00
3.2	16.00	3.8	16.00	4.0	16.00	2.2	16.00
3.8	12.00	4.0	12.00	4.6	12.00	2.8	12.00
7.8	8.00	5.4	8.00	7.2	8.00	3.0	8.00
9.4	4.00	10.2	4.00	10.2	4.00	4.0	4.00
STANDARD	15.0		15.0		15.0		15.0
NUMBER	25		25		25		25
RANGE	5.70		4.60		5.80		2.80
DISPLACEM	9.20		10.30		9.10		12.10
COEF REL	1.6140		2.2391		1.5690		4.3214

OIL & GREASE MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00
0.6	84.00	0.4	84.00
0.6	80.00	0.4	80.00
0.8	76.00	0.4	76.00
1.4	72.00	0.6	72.00
1.4	68.00	0.8	68.00
1.4	64.00	0.8	64.00
1.6	60.00	0.8	60.00
1.8	56.00	1.0	56.00
2.0	52.00	1.0	52.00
2.2	48.00	1.2	48.00
2.2	44.00	1.2	44.00
2.4	40.00	1.6	40.00

OIL & GREASE MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
2.4	36.00	1.8	36.00
3.4	32.00	1.8	32.00
3.8	28.00	1.8	28.00
4.8	24.00	2.0	24.00
5.0	20.00	2.2	20.00
5.2	16.00	2.4	16.00
5.6	12.00	3.2	12.00
6.8	8.00	4.0	8.00
9.0	4.00	4.2	4.00
STANDARD	15.0		15.0
NUMBER	25		25
RANGE	6.10		3.50
DISPLACEM	8.80		11.40
COEF REL	1.4426		3.2571

PHENOL MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.001	100.00	0.001	100.00	0.008	100.00	0.001	100.00
0.006	92.31	0.001	92.31	0.008	92.31	0.001	92.31
0.006	84.62	0.001	84.62	0.009	84.62	0.001	84.62
0.007	76.92	0.001	76.92	0.010	76.92	0.001	76.92
0.008	69.23	0.001	69.23	0.010	69.23	0.001	69.23
0.009	61.54	0.001	61.54	0.011	61.54	0.001	61.54
0.009	53.85	0.002	53.85	0.011	53.85	0.001	53.85
0.011	46.15	0.002	46.15	0.015	46.15	0.001	46.15
0.012	38.46	0.002	38.46	0.015	38.46	0.002	38.46
0.012	30.77	0.002	30.77	0.021	30.77	0.002	30.77
0.013	23.08	0.003	23.08	0.021	23.08	0.002	23.08
0.014	15.38	0.004	15.38	0.023	15.38	0.002	15.38
0.016	7.69	0.004	7.69	0.024	7.69	0.003	7.69
STANDARD	1.000		1.000		1.000		1.000
NUMBER	13		13		13		13
RANGE	0.0094		0.0029		0.0154		0.0017
DISPLACEMENT	0.9846		0.9961		0.9763		0.9973
COEF REL	104.7447		342.2991		63.3961		586.6475

PHENOL MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.03	100.00	0.001	100.00	0.05	100.00	0.001	100.00
0.04	92.31	0.001	92.31	0.05	92.31	0.001	92.31
0.04	84.62	0.001	84.62	0.07	84.62	0.001	84.62
0.04	76.92	0.001	76.92	0.07	76.92	0.001	76.92
0.05	69.23	0.001	69.23	0.07	69.23	0.001	69.23
0.05	61.54	0.001	61.54	0.09	61.54	0.001	61.54
0.05	53.85	0.001	53.85	0.10	53.85	0.001	53.85
0.07	46.15	0.001	46.15	0.11	46.15	0.002	46.15
0.07	38.46	0.002	38.46	0.12	38.46	0.002	38.46
0.09	30.77	0.003	30.77	0.13	30.77	0.002	30.77
0.09	23.08	0.004	23.08	0.13	23.08	0.002	23.08
0.09	15.38	0.004	15.38	0.14	15.38	0.002	15.38
0.09	7.69	0.004	7.69	0.15	7.69	0.003	7.69
STANDARD	1.00		1.000		1.00		1.000
NUMBER	13		13		13		13
RANGE	0.055		0.0030		0.084		0.0017
DISPLACEM	0.907		0.9960		0.857		0.9973
COEF REL	16.5287		332.0000		10.2476		586.6475

PHENOL MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.02	100.00	0.001	100.00
0.03	92.31	0.001	92.31
0.04	84.62	0.001	84.62
0.04	76.92	0.001	76.92
0.05	69.23	0.001	69.23
0.05	61.54	0.001	61.54
0.05	53.85	0.001	53.85
0.06	46.15	0.001	46.15
0.07	38.46	0.001	38.46
0.08	30.77	0.001	30.77
0.09	23.08	0.001	23.08
0.09	15.38	0.002	15.38
0.11	7.69	0.004	7.69
STANDARD	1.00		1.000
NUMBER	13		13
RANGE	0.073		0.0024
DISPLACEM	0.898		0.9966
COEF REL	12.2609		415.2505

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.06	100.00	0.03	100.00	8.6	100.00	1.0	100.00
0.06	95.83	0.04	96.00	10.0	96.00	5.7	96.00
0.11	91.67	0.06	92.00	10.0	92.00	6.2	92.00
0.20	87.50	0.11	88.00	10.4	88.00	10.0	88.00
0.28	83.33	0.15	84.00	11.0	84.00	10.6	84.00
0.30	79.17	0.15	80.00	11.4	80.00	10.9	80.00
0.32	75.00	0.23	76.00	11.5	76.00	11.6	76.00
0.32	70.83	0.26	72.00	11.6	72.00	11.6	72.00
0.32	66.67	0.30	68.00	12.2	68.00	11.6	68.00
0.36	62.50	0.39	64.00	12.2	64.00	12.0	64.00
0.43	58.33	0.40	60.00	12.2	60.00	12.0	60.00
0.54	54.17	0.46	56.00	12.4	56.00	12.0	56.00
0.60	50.00	0.48	52.00	12.4	52.00	12.0	52.00
0.66	45.83	0.48	48.00	12.4	48.00	12.2	48.00
0.75	41.67	0.69	44.00	12.6	44.00	12.4	44.00
0.89	37.50	0.80	40.00	13.0	40.00	12.6	40.00

A M M O N I A - N I T R O G E N M G / L

2 4 H O U R C O M P O S I T E

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
1.20	33.33	0.84	36.00	13.2	36.00	12.6	36.00
1.40	29.17	0.89	32.00	13.6	32.00	12.6	32.00
1.50	25.00	0.90	28.00	13.8	28.00	13.2	28.00
1.70	20.83	1.13	24.00	14.0	24.00	13.2	24.00
2.18	16.67	1.20	20.00	14.2	20.00	14.0	20.00
2.25	12.50	1.30	16.00	14.8	16.00	14.4	16.00
5.40	8.33	1.70	12.00	14.8	12.00	14.6	12.00
13.20	4.17	1.90	8.00	15.4	8.00	14.8	8.00
		2.30	4.00	15.4	4.00	16.0	4.00
STANDARD	60.00		60.00		60.0		60.0
NUMBER	24		25		25		25
RANGE	3.994		1.715		4.90		5.60
DISPLACEMENT	55.860		58.200		44.90		45.30
COEF REL	13.9860		33.9359		9.1633		8.0893

A M M O N I A - N I T R O G E N M G / L

2 4 H O U R C O M P O S I T E

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
		8.8	100.00			6.4	100.00
		9.4	96.00			7.8	96.00
		10.4	92.00			8.4	92.00
		11.6	88.00			10.0	88.00
		12.6	84.00			10.0	84.00
		12.8	80.00			10.0	80.00
		12.8	76.00			10.2	76.00
		12.8	72.00			11.2	72.00
		13.2	68.00			11.5	68.00
		13.2	64.00			11.6	64.00
		13.4	60.00			12.6	60.00
		13.4	56.00			12.8	56.00
		13.6	52.00			12.8	52.00
		14.2	48.00			12.8	48.00
		14.8	44.00			13.0	44.00
		14.8	40.00			13.2	40.00

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
		15.2	36.00			13.4	36.00
		15.4	32.00			13.6	32.00
		15.4	28.00			13.6	28.00
		15.4	24.00			13.8	24.00
		16.0	20.00			14.4	20.00
		16.4	16.00			14.8	16.00
		16.8	12.00			15.2	12.00
		16.8	8.00			16.4	8.00
		17.2	4.00			128.0	4.00
STANDARD	60		60.0		60		60.0
NUMBER	0		25		0		25
RANGE	0.0		5.80		0.0		6.60
DISPLACEM	0.0		43.20		0.0		44.20
COEF REL	0.0000		7.4483		0.0000		6.6970

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
		9.8	100.00
		10.4	96.00
		11.0	92.00
		11.6	88.00
		11.6	84.00
		11.6	80.00
		12.2	76.00
		12.6	72.00
		12.8	68.00
		13.4	64.00
		13.6	60.00
		13.6	56.00
		13.6	52.00
		14.4	48.00
		14.4	44.00
		14.6	40.00

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
		14.8	36.00
		14.8	32.00
		15.2	28.00
		15.6	24.00
		15.6	20.00
		15.8	16.00
		16.4	12.00
		16.4	8.00
		20.4	4.00
STANDARD	60		60.0
NUMBER	0		25
RANGE	0.0		5.10
DISPLACEM	0.0		43.60
COEF REL	0.0000		8.5490

FLOATABLES MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.2	84.00	0.1	84.00
0.1	80.00	0.1	80.00	0.2	80.00	0.1	80.00
0.1	76.00	0.1	76.00	0.2	76.00	0.1	76.00
0.2	72.00	0.1	72.00	0.2	72.00	0.1	72.00
0.2	68.00	0.1	68.00	0.2	68.00	0.1	68.00
0.2	64.00	0.1	64.00	0.2	64.00	0.1	64.00
0.2	60.00	0.1	60.00	0.3	60.00	0.1	60.00
0.2	56.00	0.1	56.00	0.3	56.00	0.1	56.00
0.2	52.00	0.1	52.00	0.3	52.00	0.1	52.00
0.2	48.00	0.1	48.00	0.3	48.00	0.1	48.00
0.2	44.00	0.1	44.00	0.3	44.00	0.1	44.00
0.2	40.00	0.1	40.00	0.3	40.00	0.1	40.00

FLOATABLES MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.3	36.00	0.1	36.00	0.4	36.00	0.1	36.00
0.3	32.00	0.1	32.00	0.4	32.00	0.1	32.00
0.3	28.00	0.1	28.00	0.5	28.00	0.1	28.00
0.3	24.00	0.1	24.00	0.5	24.00	0.1	24.00
0.3	20.00	0.1	20.00	0.6	20.00	0.1	20.00
0.5	16.00	0.1	16.00	0.6	16.00	0.2	16.00
0.6	12.00	0.3	12.00	0.7	12.00	0.2	12.00
1.0	8.00	0.3	8.00	1.3	8.00	0.3	8.00
2.5	4.00	0.4	4.00	1.6	4.00	0.3	4.00
STANDARD	2.0		2.0		2.0		2.0
NUMBER	25		25		25		25
RANGE	0.70		0.20		0.90		0.15
DISPLACEMENT	1.20		1.70		1.00		1.75
COEF REL	1.7143		8.5000		1.1111		11.6667

FLOATABLES MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00	0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00	0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00	0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00	0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00	0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00	0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00	0.2	56.00	0.1	56.00
0.1	52.00	0.1	52.00	0.2	52.00	0.1	52.00
0.1	48.00	0.1	48.00	0.2	48.00	0.1	48.00
0.1	44.00	0.1	44.00	0.2	44.00	0.1	44.00
0.2	40.00	0.1	40.00	0.2	40.00	0.1	40.00

F L O A T A B L E S M G / L

2 4 H O U R C O M P O S I T E

(CONTINUED)

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.2	36.00	0.2	36.00	0.3	36.00	0.1	36.00
0.2	32.00	0.2	32.00	0.3	32.00	0.1	32.00
0.2	28.00	0.2	28.00	0.3	28.00	0.2	28.00
0.3	24.00	0.2	24.00	0.4	24.00	0.2	24.00
0.4	20.00	0.2	20.00	0.5	20.00	0.2	20.00
0.4	16.00	0.3	16.00	0.5	16.00	0.2	16.00
0.4	12.00	0.3	12.00	0.6	12.00	0.2	12.00
0.4	8.00	0.5	8.00	0.6	8.00	0.2	8.00
0.8	4.00	0.5	4.00	1.2	4.00	0.4	4.00
STANDARD	2.0		2.0		2.0		2.0
NUMBER	25		25		25		25
RANGE	0.30		0.30		0.50		0.10
DISPLACEM	1.60		1.60		1.40		1.80
COEF REL	5.3333		5.3333		2.8000		18.0000

F L O A T A B L E S M G / L

2 4 H O U R C O M P O S I T E

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00
0.2	40.00	0.1	40.00

FLOATABLES MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.2	36.00	0.1	36.00
0.2	32.00	0.2	32.00
0.3	28.00	0.2	28.00
0.3	24.00	0.2	24.00
0.3	20.00	0.2	20.00
0.4	16.00	0.3	16.00
0.4	12.00	0.3	12.00
0.5	8.00	0.3	8.00
0.6	4.00	0.4	4.00
STANDARD	2.0		2.0
NUMBER	25		25
RANGE	0.35		0.20
DISPLACEM	1.55		1.70
COEF REL	4.4286		8.5000

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00	0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00	0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00	0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00	0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00	0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00	0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00	0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00	0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00	0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00	0.1	44.00	0.1	44.00
0.1	40.00	0.1	40.00	0.1	40.00	0.1	40.00

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
0.1	36.00	0.1	36.00	0.1	36.00	0.1	36.00
0.1	32.00	0.1	32.00	0.1	32.00	0.1	32.00
0.2	28.00	0.1	28.00	0.1	28.00	0.1	28.00
0.2	24.00	0.1	24.00	0.1	24.00	0.1	24.00
0.2	20.00	0.1	20.00	0.1	20.00	0.1	20.00
0.2	16.00	0.1	16.00	0.1	16.00	0.1	16.00
0.2	12.00	0.1	12.00	0.1	12.00	0.1	12.00
0.9	8.00	0.1	8.00	0.1	8.00	0.1	8.00
1.5	4.00	0.1	4.00	0.5	4.00	0.1	4.00
STANDARD	0.2		0.2		0.2		0.2
NUMBER	25		25		25		25
RANGE	0.45		0.00		0.00		0.00
DISPLACEMENT	-0.35		0.10		0.10		0.10
COEF REL	-0.7778		9999.9968		9999.9968		9999.9968

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00	0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00	0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00	0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00	0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00	0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00	0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00	0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00	0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00	0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00	0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00	0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00	0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00	0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00	0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00	0.1	44.00	0.1	44.00
0.1	40.00	0.1	40.00	0.1	40.00	0.1	40.00

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
0.1	36.00	0.1	36.00	0.1	36.00	0.1	36.00
0.1	32.00	0.1	32.00	0.1	32.00	0.1	32.00
0.1	28.00	0.1	28.00	0.1	28.00	0.1	28.00
0.1	24.00	0.1	24.00	0.1	24.00	0.1	24.00
0.1	20.00	0.1	20.00	0.1	20.00	0.1	20.00
0.1	16.00	0.1	16.00	0.1	16.00	0.1	16.00
0.1	12.00	0.1	12.00	0.1	12.00	0.1	12.00
0.1	8.00	0.1	8.00	0.1	8.00	0.1	8.00
0.3	4.00	0.1	4.00	0.1	4.00	0.1	4.00
STANDARD	0.2		0.2		0.2		0.2
NUMBER	25		25		25		25
RANGE	0.00		0.00		0.00		0.00
DISPLACEM	0.10		0.10		0.10		0.10
COEF REL	9999.9968		9999.9968		9999.9968		9999.9968

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.1	100.00	0.1	100.00
0.1	96.00	0.1	96.00
0.1	92.00	0.1	92.00
0.1	88.00	0.1	88.00
0.1	84.00	0.1	84.00
0.1	80.00	0.1	80.00
0.1	76.00	0.1	76.00
0.1	72.00	0.1	72.00
0.1	68.00	0.1	68.00
0.1	64.00	0.1	64.00
0.1	60.00	0.1	60.00
0.1	56.00	0.1	56.00
0.1	52.00	0.1	52.00
0.1	48.00	0.1	48.00
0.1	44.00	0.1	44.00
0.1	40.00	0.1	40.00

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
0.1	36.00	0.1	36.00
0.1	32.00	0.1	32.00
0.1	28.00	0.1	28.00
0.1	24.00	0.1	24.00
0.1	20.00	0.1	20.00
0.1	16.00	0.1	16.00
0.1	12.00	0.1	12.00
0.1	8.00	0.1	8.00
0.1	4.00	0.1	4.00
STANDARD	0.2		0.2
NUMBER	25		25
RANGE	0.00		0.00
DISPLACEM	0.10		0.10
COEF REL	9999.9968		9999.9968

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
6.0	100.00	0.2	100.00	12	100.00	0.5	100.00
6.9	96.00	0.3	96.00	13	96.00	0.9	96.00
7.0	92.00	0.3	92.00	13	92.00	0.9	92.00
8.5	88.00	0.4	88.00	14	88.00	1.1	88.00
8.5	84.00	0.7	84.00	14	84.00	1.7	84.00
10.0	80.00	0.8	80.00	14	80.00	1.7	80.00
11.0	76.00	0.9	76.00	14	76.00	1.7	76.00
11.5	72.00	1.2	72.00	17	72.00	1.6	72.00
12.5	68.00	1.2	68.00	18	68.00	2.0	68.00
13.0	64.00	1.7	64.00	20	64.00	2.0	64.00
14.0	60.00	1.7	60.00	21	60.00	2.1	60.00
16.0	56.00	1.9	56.00	23	56.00	2.3	56.00
16.0	52.00	1.9	52.00	24	52.00	2.3	52.00
23.0	48.00	2.0	48.00	24	48.00	2.3	48.00
28.0	44.00	2.0	44.00	25	44.00	2.4	44.00
28.0	40.00	2.0	40.00	25	40.00	2.5	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
32.0	36.00	2.1	36.00	26	36.00	2.6	36.00
36.0	32.00	2.1	32.00	28	32.00	2.9	32.00
36.0	28.00	2.3	28.00	28	28.00	3.0	28.00
36.0	24.00	2.3	24.00	30	24.00	3.0	24.00
40.0	20.00	2.5	20.00	33	20.00	3.4	20.00
41.0	16.00	2.5	16.00	35	16.00	3.7	16.00
60.0	12.00	2.7	12.00	35	12.00	4.3	12.00
64.0	8.00	2.8	8.00	40	8.00	4.4	8.00
178.0	4.00	4.5	4.00	52	4.00	18.0	4.00
STANDARD	75.0		75.0		75		75.0
NUMBER	25		25		25		25
RANGE	54.25		2.38		24.1		3.33
DISPLACEMENT	13.00		72.26		37.5		70.66
COEF REL	0.2396		30.2998		1.5560		21.1889

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
7.3	100.00	0.0	100.00	1.6	100.00	0.6	100.00
9.7	96.00	1.6	96.00	1.6	96.00	0.8	96.00
12.0	92.00	2.2	92.00	1.7	92.00	1.3	92.00
12.5	88.00	2.4	88.00	2.4	88.00	1.3	88.00
13.0	84.00	3.0	84.00	2.5	84.00	1.5	84.00
13.6	80.00	3.4	80.00	2.6	80.00	1.6	80.00
14.0	76.00	3.4	76.00	3.0	76.00	1.6	76.00
14.0	72.00	3.5	72.00	3.3	72.00	1.7	72.00
14.0	68.00	3.6	68.00	4.0	68.00	2.4	68.00
15.0	64.00	3.6	64.00	4.6	64.00	2.5	64.00
18.0	60.00	3.8	60.00	5.8	60.00	2.5	60.00
19.0	56.00	4.7	56.00	5.8	56.00	2.9	56.00
19.5	52.00	5.0	52.00	6.3	52.00	3.9	52.00
20.0	48.00	5.1	48.00	6.8	48.00	3.9	48.00
20.0	44.00	5.5	44.00	7.0	44.00	4.0	44.00
20.0	40.00	5.8	40.00	7.1	40.00	4.0	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
21.7	36.00	6.0	36.00	8.0	36.00	4.2	36.00
24.0	32.00	8.8	32.00	9.0	32.00	4.3	32.00
25.0	28.00	9.2	28.00	9.2	28.00	4.8	28.00
28.0	24.00	10.0	24.00	10.0	24.00	5.0	24.00
29.5	20.00	10.5	20.00	12.0	20.00	5.0	20.00
32.0	16.00	12.5	16.00	13.2	16.00	5.4	16.00
33.0	12.00	14.2	12.00	14.0	12.00	5.9	12.00
38.0	8.00	20.0	8.00	15.0	8.00	7.8	8.00
39.0	4.00	46.0	4.00	24.0	4.00	7.8	4.00
STANDARD	75.0		75.0		75.0		75.0
NUMBER	25		25		25		25
RANGE	23.25		14.80		12.45		5.55
DISPLACEM	39.50		57.90		60.50		68.15
COEF REL	1.6989		3.9122		4.8594		12.2793

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
21	100.00	2.6	100.00
24	96.00	2.8	96.00
24	92.00	3.0	92.00
24	88.00	3.0	88.00
25	84.00	3.6	84.00
26	80.00	3.6	80.00
27	76.00	3.9	76.00
27	72.00	4.0	72.00
28	68.00	4.0	68.00
30	64.00	4.0	64.00
30	60.00	4.3	60.00
31	56.00	4.3	56.00
31	52.00	4.3	52.00
31	48.00	4.7	48.00
32	44.00	5.0	44.00
34	40.00	5.0	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
36	36.00	5.0	36.00
37	32.00	6.0	32.00
38	28.00	6.0	28.00
38	24.00	6.6	24.00
41	20.00	7.2	20.00
42	16.00	7.5	16.00
47	12.00	8.0	12.00
50	8.00	8.8	8.00
52	4.00	9.2	4.00
STANDARD	75		75.0
NUMBER	25		25
RANGE	24.5		5.40
DISPLACEM	26.5		66.60
COEF REL	1.0816		12.3333

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
6.0	100.00	0.2	100.00	12	100.00	0.5	100.00
6.9	96.00	0.3	96.00	13	96.00	0.9	96.00
7.0	92.00	0.3	92.00	13	92.00	0.9	92.00
8.5	88.00	0.4	88.00	14	88.00	1.1	88.00
8.5	84.00	0.7	84.00	14	84.00	1.7	84.00
10.0	80.00	0.8	80.00	14	80.00	1.7	80.00
11.0	76.00	0.9	76.00	14	76.00	1.7	76.00
11.5	72.00	1.2	72.00	17	72.00	1.8	72.00
12.5	68.00	1.2	68.00	18	68.00	2.0	68.00
13.0	64.00	1.7	64.00	20	64.00	2.0	64.00
14.0	60.00	1.7	60.00	21	60.00	2.1	60.00
16.0	56.00	1.9	56.00	23	56.00	2.3	56.00
16.0	52.00	1.9	52.00	24	52.00	2.3	52.00
23.0	48.00	2.0	48.00	24	48.00	2.3	48.00
28.0	44.00	2.0	44.00	25	44.00	2.4	44.00
26.0	40.00	2.0	40.00	25	40.00	2.5	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
32.0	36.00	2.1	36.00	26	36.00	2.6	36.00
36.0	32.00	2.1	32.00	28	32.00	2.9	32.00
36.0	28.00	2.3	28.00	28	28.00	3.0	28.00
36.0	24.00	2.3	24.00	30	24.00	3.0	24.00
40.0	20.00	2.5	20.00	33	20.00	3.4	20.00
41.0	16.00	2.5	16.00	35	16.00	3.7	16.00
60.0	12.00	2.7	12.00	35	12.00	4.3	12.00
64.0	8.00	2.8	8.00	40	8.00	4.4	8.00
178.0	4.00	4.5	4.00	52	4.00	18.0	4.00
STANDARD	45.0		45.0		45		45.0
NUMBER	25		25		25		25
RANGE	54.25		2.38		24.1		3.33
DISPLACEMENT	-17.00		42.26		7.5		40.67
COEF REL	-0.3134		17.7212		0.3112		12.1934

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
7.3	100.00	0.0	100.00	1.6	100.00	0.6	100.00
9.7	96.00	1.6	96.00	1.6	96.00	0.8	96.00
12.0	92.00	2.2	92.00	1.7	92.00	1.3	92.00
12.5	88.00	2.4	88.00	2.4	88.00	1.3	88.00
13.0	84.00	3.0	84.00	2.5	84.00	1.5	84.00
13.6	80.00	3.4	80.00	2.6	80.00	1.6	80.00
14.0	76.00	3.4	76.00	3.0	76.00	1.6	76.00
14.0	72.00	3.5	72.00	3.3	72.00	1.7	72.00
14.0	68.00	3.6	68.00	4.0	68.00	2.4	68.00
15.0	64.00	3.6	64.00	4.6	64.00	2.5	64.00
18.0	60.00	3.8	60.00	5.8	60.00	2.5	60.00
19.0	56.00	4.7	56.00	5.8	56.00	2.9	56.00
19.5	52.00	5.0	52.00	6.3	52.00	3.9	52.00
20.0	48.00	5.1	48.00	6.8	48.00	3.9	48.00
20.0	44.00	5.5	44.00	7.0	44.00	4.0	44.00
20.0	40.00	5.8	40.00	7.1	40.00	4.0	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
21.7	36.00	6.0	36.00	8.0	36.00	4.2	36.00
24.0	32.00	8.8	32.00	9.0	32.00	4.3	32.00
25.0	28.00	9.2	28.00	9.2	28.00	4.8	28.00
28.0	24.00	10.0	24.00	10.0	24.00	5.0	24.00
29.5	20.00	10.5	20.00	12.0	20.00	5.0	20.00
32.0	16.00	12.5	16.00	13.2	16.00	5.4	16.00
33.0	12.00	14.2	12.00	14.0	12.00	5.9	12.00
38.0	8.00	20.0	8.00	15.0	8.00	7.8	8.00
39.0	4.00	48.0	4.00	24.0	4.00	7.8	4.00
STANDARD	45.0		45.0		45.0		45.0
NUMBER	25		25		25		25
RANGE	23.25		14.80		12.45		5.55
DISPLACEM	9.50		27.90		30.50		38.15
COEF REL	0.4086		1.8851		2.4498		6.8739

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
21	100.00	2.6	100.00
24	96.00	2.8	96.00
24	92.00	3.0	92.00
24	88.00	3.0	88.00
25	84.00	3.6	84.00
26	80.00	3.6	80.00
27	76.00	3.9	76.00
27	72.00	4.0	72.00
28	68.00	4.0	68.00
30	64.00	4.0	64.00
30	60.00	4.3	60.00
31	56.00	4.3	56.00
31	52.00	4.3	52.00
31	48.00	4.7	48.00
32	44.00	5.0	44.00
34	40.00	5.0	40.00

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

(CONTINUED)

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
36	36.00	5.0	36.00
37	32.00	6.0	32.00
38	28.00	6.0	28.00
39	24.00	6.6	24.00
41	20.00	7.2	20.00
42	16.00	7.5	16.00
47	12.00	6.0	12.00
50	8.00	8.8	8.00
52	4.00	9.2	4.00
STANDARD	45		45.0
NUMBER	25		25
RANGE	24.5		5.40
DISPLACEM	-3.5		36.60
COEF REL	-0.1429		6.7778

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
3.2	100.00	0.2	100.00	6.6	100.00	0.4	100.00
3.3	96.15	0.2	96.15	6.8	96.15	0.4	96.15
3.9	92.31	0.3	92.31	7.4	92.31	0.4	92.31
4.2	88.46	0.3	88.46	8.4	88.46	0.4	88.46
4.3	84.62	0.3	84.62	8.5	84.62	0.5	84.62
4.4	80.77	0.3	80.77	8.6	80.77	0.5	80.77
4.4	76.92	0.3	76.92	8.9	76.92	0.6	76.92
4.4	73.08	0.3	73.08	8.9	73.08	0.6	73.08
4.7	69.23	0.3	69.23	9.1	69.23	0.6	69.23
4.7	65.38	0.3	65.38	9.2	65.38	0.6	65.38
5.1	61.54	0.3	61.54	9.3	61.54	0.7	61.54
6.3	57.69	0.3	57.69	9.6	57.69	0.7	57.69
6.3	53.85	0.4	53.85	9.9	53.85	0.7	53.85
6.7	50.00	0.4	50.00	9.9	50.00	0.7	50.00
6.8	46.15	0.4	46.15	10.0	46.15	0.8	46.15
6.9	42.31	0.4	42.31	10.6	42.31	0.8	42.31
8.1	38.46	0.4	38.46	10.8	38.46	0.8	38.46

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

(CONTINUED)

NP + SE CONVENTIONAL A.S. PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS	PERCENT .LT.OR.EQ. TO VALUE
5 CONVENTIONAL A.S EFFLUENT		9 CARBON COLUMN EFFLUENT		10 H.P.O. - A.S. EFFLUENT		12 CARBON COLUMN EFFLUENT	
10.2	34.62	0.4	34.62	11.2	34.62	0.9	34.62
10.7	30.77	0.4	30.77	11.3	30.77	1.0	30.77
10.9	26.92	0.5	26.92	11.4	26.92	1.1	26.92
11.1	23.08	0.7	23.08	11.9	23.08	1.2	23.08
11.4	19.23	0.7	19.23	11.9	19.23	1.3	19.23
12.9	15.38	0.8	15.38	12.0	15.38	1.6	15.38
14.4	11.54	0.9	11.54	12.6	11.54	1.7	11.54
21.8	7.69	1.1	7.69	12.6	7.69	2.2	7.69
29.2	3.85	1.2	3.85	15.2	3.85	7.0	3.85
STANDARD	75.0		75.0		75.0		75.0
NUMBER	26		26		26		26
RANGE	13.28		0.74		4.58		1.47
DISPLACEMENT	57.64		74.00		62.40		73.10
COEF REL	4.3404		100.5463		13.6245		49.5930

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
2.8	100.00	0.5	100.00	1.8	100.00	0.5	100.00
2.9	96.15	0.8	97.83	2.3	96.15	0.5	96.30
3.7	92.31	0.9	95.65	2.5	92.31	0.5	92.59
3.8	88.46	0.9	93.48	3.5	88.46	0.5	88.89
3.8	84.62	0.9	91.30	3.7	84.62	0.5	85.19
3.9	80.77	1.0	89.13	3.8	80.77	0.6	81.48
3.9	76.92	1.1	86.96	4.1	76.92	0.6	77.78
3.9	73.08	1.1	84.78	4.2	73.08	0.6	74.07
4.0	69.23	1.2	82.61	4.6	69.23	0.6	70.37
4.1	65.38	1.3	80.43	4.7	65.38	0.7	66.67
4.3	61.54	1.4	78.26	4.8	61.54	0.7	62.96
4.7	57.69	1.4	76.09	4.8	57.69	0.7	59.26
4.8	53.85	1.4	73.91	4.8	53.85	0.7	55.56
4.8	50.00	1.5	71.74	5.1	50.00	0.9	51.85
5.0	46.15	1.7	69.57	5.3	46.15	0.9	48.15
5.1	42.31	1.8	67.39	5.4	42.31	0.9	44.44
5.1	38.46	1.9	65.22	5.8	38.46	1.0	40.74
5.4	34.62	1.9	63.04	6.2	34.62	1.0	37.04
5.7	30.77	1.9	60.87	6.4	30.77	1.0	33.33
6.0	26.92	1.9	58.70	6.9	26.92	1.1	29.63
6.0	23.08	2.0	56.52	7.1	23.08	1.2	25.93
6.2	19.23	2.0	54.35	7.2	19.23	1.3	22.22
7.3	15.38	2.0	52.17	7.8	15.38	1.4	18.52
8.0	11.54	2.3	50.00	9.2	11.54	1.5	14.81
8.3	7.69	2.3	47.83	9.5	7.69	1.9	11.11
8.6	3.85	2.3	45.65	12.8	3.85	1.9	7.41
		2.3	43.48			2.8	3.70

A V E R A G E T U R B I D I T Y F T U H O U R L Y G R A B S A M P L E

(CONTINUED)

NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS	PERCENT .LT.OR.EQ. TO VALUE
14 CHEMICAL CLARIFIER EFFLUENT		16 CARBON COLUMN EFFLUENT		21 SECOND STAGE LIME RECARB EFFLUENT		23 CARBON COLUMN EFFLUENT	
		2.5	41.30				
		2.8	39.13				
		3.0	36.96				
		3.2	34.78				
		3.2	32.61				
		3.3	30.43				
		3.6	28.26				
		3.8	26.09				
		4.2	23.91				
		4.3	21.74				
		4.6	19.57				
		4.8	17.39				
		4.9	15.22				
		4.9	13.04				
		11.0	10.87				
		12.0	8.70				
		12.0	6.52				
		40.0	4.35				
		60.0	2.17				
STANDARD	75.0		75.0		75.0		75.0
NUMBER	26		46		26		27
RANGE	4.39		10.44		6.22		1.37
DISPLACEM	66.88		63.60		65.68		73.10
COEF REL	15.2346		6.0896		10.5595		53.2411

A V E R A G E T U R B I D I T Y F T U H O U R L Y G R A B S A M P L E

NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS	PERCENT .LT.OR.EQ. TO VALUE
28 CHEMICAL - CLARIFIER EFFLUENT		30 CARBON COLUMN EFFLUENT	
4.4	100.00	0.3	100.00
5.6	96.15	1.0	97.87
6.4	92.31	1.1	95.74
6.8	88.46	1.4	93.62
6.8	84.62	1.4	91.49
7.4	80.77	1.6	89.36
7.7	76.92	1.6	87.23
7.8	73.08	1.6	85.11
8.4	69.23	1.7	82.98
9.3	65.38	1.8	80.85
9.5	61.54	1.9	78.72
10.3	57.69	2.0	76.60
10.8	53.85	2.0	74.47
11.0	50.00	2.1	72.34
11.3	46.15	2.4	70.21
11.9	42.31	2.4	68.09
12.0	38.46	2.5	65.96
12.6	34.62	2.6	63.83
13.4	30.77	2.6	61.70
13.8	26.92	2.6	59.57
14.5	23.08	2.7	57.45
15.2	19.23	2.7	55.32
16.6	15.38	2.8	53.19
17.2	11.54	2.8	51.06
17.9	7.69	2.8	48.94
18.7	3.85	2.8	46.81
		2.8	44.68

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

(CONTINUED)

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
		2.9	42.55
		3.0	40.43
		3.0	38.30
		3.3	36.17
		3.3	34.04
		3.4	31.91
		3.6	29.79
		3.7	27.66
		3.8	25.53
		3.8	23.40
		4.0	21.28
		4.1	19.15
		4.1	17.02
		4.5	14.89
		4.6	12.77
		4.7	10.64
		6.1	8.51
		9.0	6.38
		16.5	4.26
		17.0	2.13
STANDARD	75.0		75.0
NUMBER	26		47
RANGE	10.84		3.58
DISPLACEM	57.52		69.88
COEF REL	5.3063		19.5196

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0	100.00	0.0	100.00	0	100.00	0	100.00
0	91.67	0.0	91.67	0	91.67	0	91.67
0	83.33	0.0	83.33	0	83.33	0	83.33
0	75.00	0.0	75.00	0	75.00	0	75.00
0	66.67	0.0	66.67	0	66.67	0	66.67
0	58.33	0.0	58.33	0	58.33	0	58.33
0	50.00	0.0	50.00	0	50.00	0	50.00
0	41.67	0.0	41.67	0	41.67	0	41.67
0	33.33	0.8	33.33	0	33.33	0	33.33
0	25.00	0.8	25.00	0	25.00	0	25.00
0	16.67	0.8	16.67	0	16.67	0	16.67
0	8.33	1.0	8.33	0	8.33	0	8.33
STANDARD	2		2.0		2		2
NUMBER	12		12		12		12
RANGE	0.0		0.95		0.0		0.0
DISPLACEMENT	2.0		1.05		2.0		2.0
COEF REL	9999.9968		1.1008		9999.9968		9999.9968

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.0	100.00	0.0	100.00	0	100.00	0	100.00
0.0	91.67	0.0	91.67	0	91.67	0	91.67
0.0	83.33	0.0	83.33	0	83.33	0	83.33
0.0	75.00	0.0	75.00	0	75.00	0	75.00
0.0	66.67	0.0	66.67	0	66.67	0	66.67
0.0	58.33	0.0	58.33	0	58.33	0	58.33
0.0	50.00	0.0	50.00	0	50.00	0	50.00
0.0	41.67	0.0	41.67	0	41.67	0	41.67
0.0	33.33	0.0	33.33	0	33.33	0	33.33
0.0	25.00	0.0	25.00	0	25.00	0	25.00
0.0	16.67	0.0	16.67	0	16.67	0	16.67
0.6	8.33	0.9	8.33	0	8.33	0	8.33
STANDARD	2.0		2.0		2		2
NUMBER	12		12		12		12
RANGE	0.47		0.70		0.0		0.0
DISPLACEM	1.53		1.30		2.0		2.0
COEF REL	3.2373		1.8736		9999.9968		9999.9968

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.0	100.00	0.0	100.00
0.0	91.67	0.0	91.67
0.0	83.33	0.0	83.33
0.0	75.00	0.0	75.00
0.0	66.67	0.0	66.67
0.0	58.33	0.0	58.33
0.0	50.00	0.0	50.00
0.0	41.67	0.6	41.67
0.0	33.33	0.6	33.33
0.0	25.00	0.9	25.00
0.8	16.67	1.0	16.67
0.9	8.33	2.9	8.33
STANDARD	2.0		2.0
NUMBER	12		12
RANGE	0.85		2.52
DISPLACEM	1.15		-0.52
COEF REL	1.3585		-0.2063

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

NP + SE CONVENTIONAL A.S. PROCESS 5 CONVENTIONAL A.S EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE CONVENTIONAL A.S. PLUS ALUM PROCESS 9 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 10 H.P.O. - A.S. EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE H.P.O. ACTIVATED SLUDGE PROCESS 12 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.01	100.00	0.006	100.00	0.01	100.00	0.003	100.00
0.01	92.31	0.009	92.31	0.02	92.31	0.004	92.31
0.03	84.62	0.010	84.62	0.02	84.62	0.013	84.62
0.03	76.92	0.010	76.92	0.03	76.92	0.013	76.92
0.03	69.23	0.010	69.23	0.03	69.23	0.016	69.23
0.03	61.54	0.016	61.54	0.04	61.54	0.017	61.54
0.06	53.85	0.016	53.85	0.04	53.85	0.018	53.85
0.06	46.15	0.017	46.15	0.04	46.15	0.020	46.15
0.07	38.46	0.042	38.46	0.05	38.46	0.022	38.46
0.08	30.77	0.095	30.77	0.05	30.77	0.043	30.77
0.10	23.08	0.098	23.08	0.07	23.08	0.068	23.08
0.17	15.38	0.113	15.38	0.08	15.38	0.076	15.38
0.18	7.69	0.126	7.69	0.20	7.69	0.112	7.69
STANDARD	4.00		4.000		4.00		4.000
NUMBER	13		13		13		13
RANGE	0.160		0.1128		0.140		0.0945
DISPLACEMENT	3.822		3.8779		3.838		3.8988
COEF REL	23.8286		34.3786		27.4535		41.2572

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

NP + SE FERRIC PROCESS 14 CHEMICAL CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PROCESS 16 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 21 SECOND STAGE LIME RECARB EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE FERRIC PLUS LIME PROCESS 23 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.01	100.00	0.005	100.00	0.01	100.00	0.005	100.00
0.02	92.31	0.006	92.31	0.03	92.31	0.007	92.31
0.02	84.62	0.006	84.62	0.03	84.62	0.008	84.62
0.02	76.92	0.009	76.92	0.03	76.92	0.008	76.92
0.03	69.23	0.010	69.23	0.04	69.23	0.009	69.23
0.03	61.54	0.011	61.54	0.04	61.54	0.010	61.54
0.04	53.85	0.011	53.85	0.05	53.85	0.012	53.85
0.04	46.15	0.012	46.15	0.13	46.15	0.014	46.15
0.04	38.46	0.013	38.46	0.26	38.46	0.014	38.46
0.04	30.77	0.014	30.77	0.28	30.77	0.026	30.77
0.05	23.08	0.025	23.08	0.29	23.08	0.028	23.08
0.05	15.36	0.065	15.38	0.42	15.38	0.032	15.38
0.09	7.69	0.097	7.69	0.45	7.69	0.118	7.69
STANDARD	4.00		4.000		4.00		4.000
NUMBER	13		13		13		13
RANGE	0.060		0.0814		0.415		0.0849
DISPLACEM	3.920		3.9126		3.556		3.9078
COEF REL	65.6567		48.0664		8.5614		46.0283

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

NP + SE HIGH ALUM PROCESS 28 CHEMICAL - CLARIFIER EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE	NP + SE HIGH ALUM PROCESS 30 CARBON COLUMN EFFLUENT	PERCENT .LT.OR.EQ. TO VALUE
0.04	100.00	0.003	100.00
0.05	92.31	0.004	92.31
0.05	84.62	0.005	84.62
0.05	76.92	0.005	76.92
0.06	69.23	0.006	69.23
0.06	61.54	0.007	61.54
0.07	53.85	0.007	53.85
0.08	46.15	0.008	46.15
0.08	38.46	0.012	38.46
0.09	30.77	0.015	30.77
0.09	23.08	0.018	23.08
0.12	15.38	0.027	15.38
0.12	7.69	0.082	7.69
STANDARD	4.00		4.000
NUMBER	13		13
RANGE	0.072		0.0612
DISPLACEM	3.880		3.9345
COEF REL	53.8958		64.2893

APPENDIX L

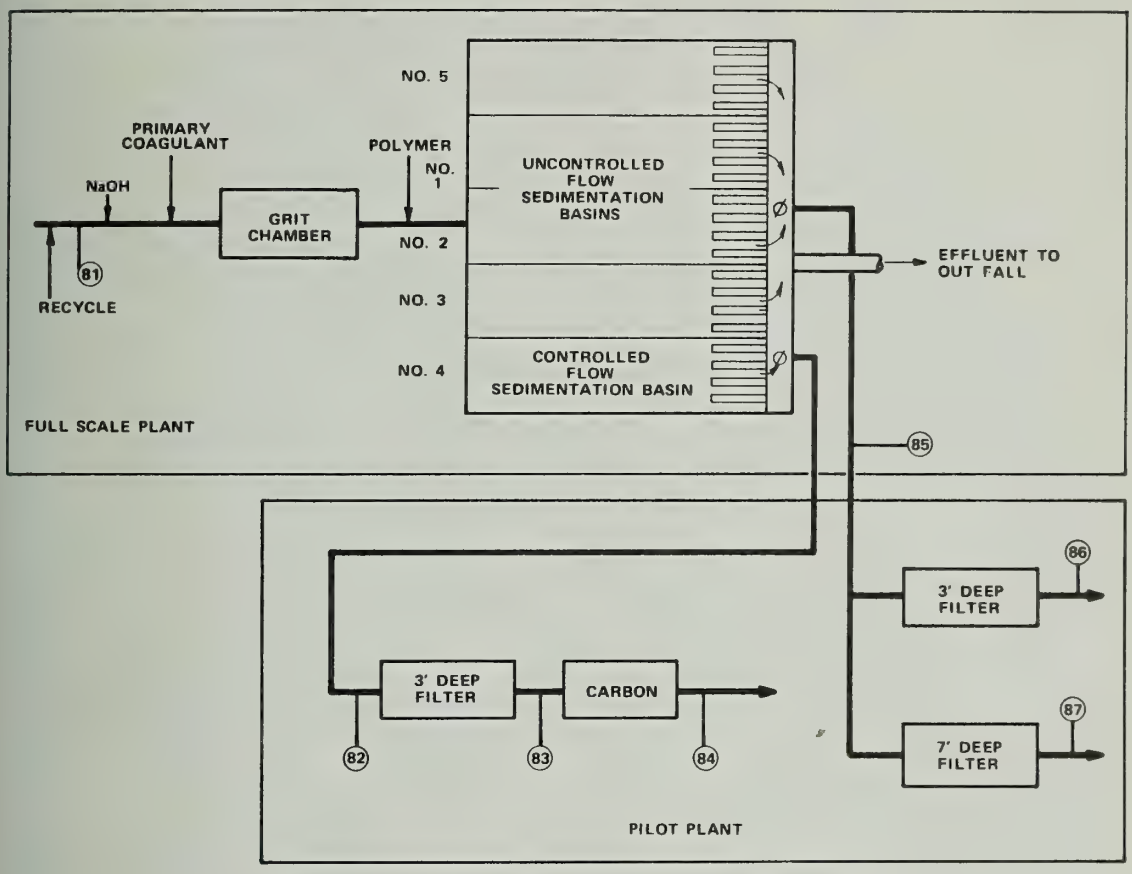
APPENDIX L

RICHMOND-SUNSET TEST DATA

SUBDIVISIONS

November 1973 Plant Scale Alum Test Data:
- Liquid Phase
- Sludge Phase

March 1974 Cationic Polymer Test Data



RICHMOND – SUNSET
PROCESS TRAINS AND DATA COLLECTION POINTS
FERRIC CHLORIDE AND ALUM TESTS

APPENDIX L

RICHMOND-SUNSET TEST DATA

NOVEMBER 1973 PLANT SCALE ALUM TESTS

SLUDGE DATA

	Page
Aluminum	1
Arsenic	2
Cadmium	3
Total Chromium	4
Copper	5
Total Iron	6
Lead	7
Magnesium	8
Manganese	9
Mercury	10
Nickel	11
Silver	12
Zinc	13
Hexavalent Chromium	14
Ferrous Iron	15
Gross Alpha	16
Total Suspended Solids	17
Total Dissolved Solids	18
Total Solids	19
Total Volatile Solids	20
Volatile Suspended Solids.	21
Total Chlorinated Hydrocarbons	22
Sludge Thickening Test	23

ALUMINUM MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	1,400,000
112773	200,000
50 PERCENT	800,000

ARSENIC MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	18
112773	14
50 PERCENT	16

CADMIUM MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	69
112773	40
50 PERCENT	54

TOTAL CHROMIUM MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	1,100
112773	500
50 PERCENT	800

COPPER MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	4,600
112773	2,200
50 PERCENT	3,400

TOTAL IRON MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	52,000
112773	52,000
50 PERCENT	52,000

LEAD MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	5,900
112773	2,900
50 PERCENT	4,400

MAGNESIUM MG/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	20
112773	15
50 PERCENT	17

MANGANESE MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112773	560
50 PERCENT	560

MERCURY MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	89
112773	19
50 PERCENT	54

NICKEL MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112773	196
50 PERCENT	196

SILVER MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	1,700
112773	2,600
50 PERCENT	2,150

ZINC MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112773	7.000
50 PERCENT	7.000

HEXAVALENT CHROMIUM MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	5.0
112773	5.0
50 PERCENT	5.0

FERROUS IRON MICRO-G/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	211
112773	267
50 PERCENT	239

GROSS ALPHA PC/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	22.0
112773	6.0
50 PERCENT	4.0

TOTAL SUSPENDED SOLIDS MG/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	15,546
112773	7,910
50 PERCENT	11,728

TOTAL DISSOLVED SOLIDS MG/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	354
112773	354
50 PERCENT	354

TOTAL SOLIDS MG/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	15,900
112773	8,264
50 PERCENT	12,082

TOTAL VOLATILE SOLIDS MG/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	10,340
112773	6,684
50 PERCENT	8,512

VOLATILE SUSPENDED SOLIDS MG/L

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	10,144
112773	6,520
50 PERCENT	8,332

TOTAL CHLORINATED HYDROCARBONS PPB

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112773	1.4
50 PERCENT	1.4

SLUDGE THICKENING TEST ML/L/HOUR

7 DAY COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 72 SEDIMENTATION BASIN SLUDGE
112073	992
50 PERCENT	992

APPENDIX L

RICHMOND-SUNSET TEST DATA

NOVEMBER 1973 PLANT SCALE ALUM TESTS

LIQUID PHASE CONSTITUENT DATA

	Page
METAL	
Aluminum	1
Antimony	3
Arsenic	4
Barium	6
Beryllium	7
Boron	8
Cadmium	9
Calcium	11
Total Chromium	12
Cobalt	14
Copper	15
Cyanide	17
Total Iron	18
Lead	20
Magnesium	22
Manganese	24
Mercury	26
Molybdenum	28
Nickel	29
Selenium	31
Silver	32
Sodium	34
Strontium	35
Thallium	36
Tin	37
Titanium	38
Vanadium	39
Zinc	40
Lithium	42
Hexavalent Chromium	43
Ferrous Iron	45
CHEMICAL	
Alkalinity	47
5-Day BOD	49
Bromide	51
Chloride	52
Chemical Oxygen Demand	53
Flouride	55
Iodide	57
Oil and Grease	58
Phenol	60
Sulfate	62
Sulfite	63
Sulfide	64
Surfactants	66
Hardness	68
Total Organic Carbon	69
NUTRIENTS	
Ammonia Nitrogen	71
Nitrate Nitrogen	73
Nitrite Nitrogen	75
Organic Nitrogen	77
Total Nitrogen	79
Ortho Phosphate	81
Total Phosphate	83
RADIOACTIVE	
Gross Alpha	85
Gross Beta	87
PHYSICAL	
Floatables	88
Settleable Solids	90
Total Suspended Solids	92
Average Turbidity	94
Color	96
Conductivity	98
Total Dissolved Solids	99
Total Solids	101
Total Volatile Solids	103
Volatile Suspended Solids	105

APPENDIX L

RICHMOND-SUNSET TEST DATA

NOVEMBER 1973 PLANT SCALE ALUM TESTS

LIQUID PHASE CONSTITUENT DATA

(Continued)

	Page		Page
BIOASSAYS		CHLORINATED HYDROCARBONS	
24-Hour - Median Tolerance Limit . .	107	Lindane	121
48-Hour - Median Tolerance Limit . .	109	Heptachlor Epoxide .	122
96-Hour - Median Tolerance Limit . .	111	DDE	123
24-Hour - Percent Survival Undiluted Waste	113	DDD	124
48-Hour - Percent Survival Undiluted Waste	115	DDT	125
96-Hour - Percent Survival Undiluted Waste	117	Dieldrim	126
96-Hour - Toxicity Units	119	Total Chlorinated Hydrocarbons . . .	127
		Aldrin	129
		Chlordane	130
		Endrin	131
		Heptachlor	132
		Methoxychlor	133
		Toxaphene	134
		Phosphated Hydrocarbons . . .	135
		Carbamates	136
		2-4-D	137
		Polychlorinated Biphenyls	138

ALUMINUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	330	990	800	180
111173	620	1,900	2,600	180
111373	590	160	380	380
111573	1,700	1,200	290	320
111773	2,600	2,600	1,000	500
50 PERCENT	620	1,200	800	320

ALUMINUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	1,600	750	500
111173	26,000		
111373	20,000		
111573	29,000		
111773	6,300		
50 PERCENT	20,000	750	500

ANTIMONY MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	25
111373	40
111773	34
50 PERCENT	34

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	1.0	1.0	1.0	1.0
111173	1.4	9.5	1.4	1.0
111373	3.0	2.2	7.3	6.0
111573	3.2	1.6	1.0	1.0
111773	30.0	1.0	10.0	1.0
50 PERCENT	3.0	1.6	1.4	1.0

ARSENIC MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	1.0	1.0	1.0
111173	4.0		
111373	4.6		
111573	5.5		
111773	10.0		
50 PERCENT	4.6	1.0	1.0

BARIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	160
111373	150
111773	110
50 PERCENT	150

BERYLLIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	1.0
111373	1.0
111773	1.0
50 PERCENT	1.0

BORON MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	820
111373	2,760
111773	280
50 PERCENT	820

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	2.0	1.1	1.0	1.0
111173	1.0	1.0	1.0	1.0
111373	1.8	1.0	1.0	1.0
111573	1.9	1.0	1.0	1.0
111773	1.0	1.0	1.0	1.0
50 PERCENT	1.8	1.0	1.0	1.0

CADMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	1.0	1.0	1.0
111173	1.5		
111373	1.9		
111573	3.2		
111773	1.0		
50 PERCENT	1.5	1.0	1.0

CALCIUM MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	33
111373	41
111773	39
50 PERCENT	39

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	46	57	44	42.0
111173	38	23	30	24.0
111373	16	14	11	8.0
111573	29	13	11	9.8
111773	16	12	12	10.0
50 PERCENT	29	14	12	10.0

TOTAL CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	27	32	44
111173	58		
111373	30		
111573	72		
111773	18		
50 PERCENT	30	32	44

COBALT MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	8.0
111373	5.0
111773	5.0
50 PERCENT	5.0

COPPER MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	88	13.0	30	7.0
111173	49	16.0	32	5.0
111373	70	20.0	21	6.2
111573	84	10.0	16	5.0
111773	44	16.0	30	6.0
50 PERCENT	70	16.0	30	6.0

COPPER MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	15	27	210
111173	68		
111373	92		
111573	160		
111773	38		
50 PERCENT	68	27	210

CYANIDE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.01
111373	0.01
111773	0.01
50 PERCENT	0.01

TOTAL IRON MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	1,300	880	1,000	250
111173	1,200	610	460	140
111373	1,400	690	410	240
111573	1,300	820	680	170
111773	1,000	680	430	110
50 PERCENT	1,300	690	460	170

TOTAL IRON MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	1,000	510	230
111173	1,800		
111373	2,900		
111573	3,700		
111773	1,200		
50 PERCENT	1,800	510	230

LEAD MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	56	10.0	28.0	5.0
111173	130	32.0	14.0	5.0
111373	93	25.0	10.0	12.0
111573	140	5.0	14.0	41.0
111773	100	31.0	15.0	7.5
50 PERCENT	100	25.0	14.0	7.5

LEAD MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	9.0	12	16
111173	130.0		
111373	160.0		
111573	220.0		
111773	67.0		
50 PERCENT	130.0	12	16

MAGNESIUM MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	137.0	5.0	5.0	6.0
111173	4.3	4.8	3.7	4.7
111373	8.2	7.0	6.3	6.0
111573	11.0	9.1	8.9	6.7
111773	7.8	7.2	6.9	6.7
50 PERCENT	8.2	7.2	6.9	6.7

MAGNESIUM MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	16.0	28	116
111173	4.8		
111373	5.6		
111573	10.0		
111773	8.0		
50 PERCENT	8.0	28	116

MANGANESE MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	44	40	40	35
111373	48	45	38	31
111773	40	36	42	34
50 PERCENT	44	40	40	34

MANGANESE MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	28	50	54
111373	57		
111773	48		
50 PERCENT	48	50	54

MERCURY MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	10.0	7.0	6.0	7.1
111173	1.0	1.0	1.0	1.0
111373	1.1	4.5	1.0	1.0
111573	1.9	1.0	1.0	1.0
111773	1.0	1.0	1.0	1.0
50 PERCENT	1.1	1.0	1.0	1.0

MERCURY MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	5.2	2.0	3.8
111173	1.0		
111373	1.4		
111573	1.9		
111773	1.0		
50 PERCENT	1.4	2.0	3.8

MOLYBDENUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	10.0
111373	5.0
111773	5.0
50 PERCENT	5.0

NICKEL MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	14.0	16.0	14.0	18.0
111373	10.0	10.0	10.0	6.2
111773	17.0	16.0	15.0	20.0
50 PERCENT	14.0	16.0	14.0	18.0

NICKEL MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	9.0	13	18
111373	17.0		
111773	22.0		
50 PERCENT	17.0	13	18

SELENIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	5.0
111373	32.0
111773	5.0
50 PERCENT	5.0

SILVER MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	15.0	2.3	3.1	1.6
111173	8.2	3.2	5.8	1.3
111373	12.0	4.5	3.4	1.0
111573	15.0	4.0	1.0	1.0
111773	12.0	5.2	6.8	2.2
50 PERCENT	12.0	4.0	3.4	1.3

SILVER MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	2.8		15
111173	14.0		
111373	12.0		
111573	24.0		
111773	10.0		
50 PERCENT	12.0		15

SODIUM MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	230
111373	800
111773	69
50 PERCENT	230

STRONTIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	100
111373	78
111773	40
50 PERCENT	78

THALLIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	10.0
111373	5.0
111773	5.0
50 PERCENT	5.0

TIN MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	2.0
111373	5.0
111773	5.0
50 PERCENT	5.0

TITANIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	52.0
111373	10.0
111773	18.0
50 PERCENT	18.0

VANADIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	25
111373	16
111773	12
50 PERCENT	16

ZINC MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	200	74	120	91
111373	250	100	130	140
111773	130	110	130	130
50 PERCENT	200	100	130	130

ZINC MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	65	91	110
111373	350		
111773	140		
50 PERCENT	140	91	110

LITHIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	40.0
111373	5.0
111773	3.0
50 PERCENT	5.0

HEXAVALENT CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	5.0	5.0	5.0	5.0
111173	5.0	5.0	5.0	5.0
111373	5.0	5.0	5.0	5.0
111573	5.0	5.0	5.0	5.0
111773	5.0	5.0	5.0	5.0
50 PERCENT	5.0	5.0	5.0	5.0

HEXAVALENT CHROMIUM MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	5.0	5.0	5.0
111173	5.0		
111373	5.0		
111573	5.0		
111773	5.0		
50 PERCENT	5.0	5.0	5.0

FERROUS IRON MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	29	20	20	20
111173	20	20	20	20
111373	28	20	20	20
111573	28	20	20	20
111773	45	20	20	20
50 PERCENT	28	20	20	20

FERROUS IRON MICRO-G/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	20	20	20
111173	20		
111373	20		
111573	20		
111773	20		
50 PERCENT	20	20	20

ALKALINITY MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	98	87	81	73
111173	144	88	92	88
111373	70	56	53	50
111573	72	28	31	26
111773	73	65	60	55
50 PERCENT	73	65	60	55

ALKALINITY MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	85	79	69
111173	105		
111373	60		
111573	27		
111773	60		
50 PERCENT	60	79	69

5 DAY BOD MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110773	141	38	33.3	9.9
110873	150	34	37.1	9.9
111073	132	17	22.0	9.4
111173	87	33	16.2	6.9
111273	132	36	10.0	6.9
111373	192	39	24.5	9.3
111473	158	34	23.5	10.4
111573	145	30	29.2	11.8
111673	189	32	21.0	7.8
111773	114	34	21.8	8.2
111873	139	24	25.0	18.1
50 PERCENT	141	34	23.5	9.4

5 DAY BOD MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110773	47	30	33
110873	50	32	27
111073	52		
111173	102		
111273	66		
111373	119		
111473	144		
111573	160		
111673	101		
111773	69		
111873	71		
50 PERCENT	70	31	30

BROMIDE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.1
111373	0.1
111773	0.1
50 PERCENT	0.1

CHLORIDE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	400
111373	96
111773	100
50 PERCENT	99

CHEMICAL OXYGEN DEMAND MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110773	438	102	82	23.9
110873	343	90	91	18.9
111073	269	82	71	17.7
111173	221	87	55	18.5
111273	354	108	45	18.0
111373	301	114	81	22.2
111473	289	85	79	16.9
111573	429	150	86	21.5
111673	299	91	54	10.0
111773	217	80	64	22.0
111873	355	82	77	15.0
50 PERCENT	301	90	77	18.5

CHEMICAL OXYGEN DEMAND MG/L

24 HOUR COMPOSITE

	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110773	133	84	87
110873	124	76	73
111073	203		
111173	302		
111273	204		
111373	377		
111473	190		
111573	545		
111673	268		
111773	185		
111873	268		
50 PERCENT ENT	204	80	80

FLOURIDE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	0.7	0.3	0.3	0.3
111373	0.6	0.3	0.2	0.1
111773	0.4	0.1	0.2	0.2
50 PERCENT	0.6	0.3	0.2	0.2

FLOURIDE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	0.3	0.3	0.3
111373	0.2		
111773	0.1		
50 PERCENT	0.2	0.3	0.3

IODIDE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.04
111373	0.01
111773	0.09
50 PERCENT	0.04

OIL & GREASE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110773	53.8	5.6	3.4	3.4
110873	47.4	4.4	4.4	1.0
111073	42.3	2.2	0.1	0.1
111173	28.0	6.2	1.6	2.2
111273	49.6	5.2	1.0	1.8
111373	43.2	6.6	0.6	2.2
111473	60.6	7.6	3.6	3.2
111573	47.2	3.8	2.2	3.0
111673	35.2	4.2	0.2	0.6
111773	9.2	3.6	0.2	0.8
111873	71.2	2.2	0.8	0.4
50 PERCENT	47.2	4.4	1.0	1.8

OIL & GREASE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110773	5.0	4.4	3.0
110873	0.8	2.4	3.0
111073	3.0		
111173	3.4		
111273	5.0		
111373	3.0		
111473	7.8		
111573	3.6		
111673	7.6		
111773	2.0		
111873	4.8		
50 PERCENT	3.0	3.4	3.0

PHENOL MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	0.13	0.08	0.08	0.004
111173	0.06	0.04	0.04	0.004
111373	0.14	0.05	0.05	0.006
111573	0.14	0.06	0.06	0.003
111773	0.06	0.03	0.05	0.001
50 PERCENT	0.13	0.05	0.05	0.004

PHENOL MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	0.08	0.08	0.07
111173	0.06		
111373	0.09		
111573	0.15		
111773	0.06		
50 PERCENT	0.08	0.08	0.07

SULFATE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	4.7
111373	25.0
111773	40.0
50 PERCENT	25.0

SULFITE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC
	81 RICHMOND-SUNSET RAW INFLUENT
110873	2.5
111373	0.8
111773	0.5
50 PERCENT	0.8

SULFIDE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	0.2	0.1	0.1	0.2
111173	0.1	0.1	0.1	0.1
111373	0.1	0.1	0.1	0.1
111573	0.2	0.1	0.1	0.1
111773	0.1	0.1	0.1	0.1
50 PERCENT	0.1	0.1	0.1	0.1

SULFIDE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	0.2	0.2	0.3
111173	0.1		
111373	0.1		
111573	0.2		
111773	0.1		
50 PERCENT	0.1	0.2	0.3

SURFACTANTS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	3.7	1.4	2.2	0.1
111373	3.1	1.6	1.4	0.1
111773	1.5	0.8	0.8	0.1
50 PERCENT	3.1	1.4	1.5	0.1

SURFACTANTS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	1.8	1.8	1.9
111373	3.4		
111773	1.3		
50 PERCENT	1.8	1.8	1.9

HARDNESS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	140
111373	77
111773	36
50 PERCENT	77

TOTAL ORGANIC CARBON MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110773	84	32	27	6.0
110873	86	28	29	5.0
111073	70	24	19	2.0
111173	54	26	13	3.0
111273	70	28	11	3.0
111373	69	27	22	5.0
111473	88	21	16	7.0
111573	82	18	16	3.0
111773	41	20	16	4.0
111873	84	24	19	13.0
50 PERCENT	70	25	17	4.5

TOTAL ORGANIC CARBON MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110773	34	27	27
110873	32	31	37
111073	52		
111173	76		
111273	58		
111373	94		
111473	94		
111573	106		
111773	38		
111873	57		
50 PERCENT	57	29	32

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110773	21	13.2	12.4	12.4
110873	23	16.4	16.8	15.4
111073	14	5.9	6.6	5.2
111173	11	6.4	5.4	6.3
111273	14	9.2	5.8	4.5
111373	18	14.0	11.4	9.6
111473	25	22.4	22.4	12.6
111573	21	24.8	20.0	16.8
111673	13	12.0	10.4	9.2
111773	16	13.2	12.4	11.8
111873	22	14.6	13.2	11.4
50 PERCENT	18	13.2	12.4	11.4

AMMONIA-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110773	13.2	12	12
110873	18.0	15	14
111073	7.6		
111173	10.4		
111273	12.0		
111373	14.6		
111473	27.2		
111573	21.2		
111673	17.2		
111773	16.8		
111873	20.0		
50 PERCENT	16.8	14	13

NITRATE-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	0.16	0.25	0.05	0.01
111373	0.11	0.10	0.17	0.08
111773	0.01	0.01	0.01	0.01
50 PERCENT	0.11	0.10	0.05	0.01

NITRATE-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	0.4	0.05	0.3
111373	0.1		
111773	0.4		
50 PERCENT	0.4	0.05	0.3

NITRITE-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	0.01	0.01	0.01	0.01
111373	0.01	0.01	0.06	0.01
111773	0.01	0.05	0.03	0.01
50 PERCENT	0.01	0.01	0.04	0.01

NITRITE-NITROGEN MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	0.01	0.01	0.01
111373	0.01		
111773	0.02		
50 PERCENT	0.01	0.01	0.01

ORGANIC NITROGEN MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	18.2	7.1	5.7	7.1
111373	7.8	8.0	14.1	5.4
111773	16.0	7.2	1.6	2.2
50 PERCENT	16.0	7.2	5.7	5.4

ORGANIC NITROGEN MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	14	21	17
111373	15		
111773	12		
50 PERCENT	14	21	17

T O T A L N I T R O G E N M G / L

2 4 H O U R C O M P O S I T E

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	41	23.5	22.5	22.5
111173	30	9.8	7.2	9.8
111373	26	22.0	25.5	15.0
111573	26	28.0	22.5	19.0
111773	32	21.0	14.0	14.0
50 PERCENT	29	22.0	22.5	15.0

T O T A L N I T R O G E N M G / L

2 4 H O U R C O M P O S I T E

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110673	32	36	31
111173	26		
111373	30		
111573	34		
111773	29		
50 PERCENT	30	36	31

ORTHO PHOSPHATE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	4.3	0.02	0.06	0.02
111173	2.5	0.01	0.01	0.01
111373	3.9	0.07	0.05	0.02
111573	4.0	0.02	0.02	0.01
111773	1.9	0.01	0.01	0.01
50 PERCENT	3.9	0.02	0.02	0.01

ORTHO PHOSPHATE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	0.04	0.04	0.03
111173	0.01		
111373	0.04		
111573	0.05		
111773	1.00		
50 PERCENT	0.04	0.04	0.03

TOTAL PHOSPHATE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 61 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110773	8.7	0.6	0.1	0.1
110873	9.6	0.6	0.7	0.1
111073	6.9	1.2	0.1	0.1
111173	6.9	1.1	0.2	0.1
111273	8.2	1.5	0.1	0.1
111373	6.7	2.0	0.3	0.2
111473	9.8	2.8	0.4	0.2
111573	8.7	0.6	0.1	0.1
111673	7.1	1.3	0.1	0.2
111773	4.0	0.3	0.1	0.1
111873	9.3	0.8	0.3	0.2
50 PERCENT	8.2	1.1	0.1	0.1

TOTAL PHOSPHATE MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110773	1.0	0.2	0.2
110873	1.7	0.4	0.3
111073	5.7		
111173	9.1		
111273	4.8		
111373	10.3		
111473	10.3		
111573	13.1		
111673	4.4		
111773	0.9		
111873	7.0		
50 PERCENT	5.7	0.3	0.2

GROSS ALPHA PC/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	3.0	6.0	4.0	8.0
111173	1.0	2.0	2.0	3.0
111373	2.0	2.0	2.0	2.0
111573	2.0	2.0	2.0	2.0
111773	2.0	2.0	2.0	2.0
50 PERCENT	2.0	2.0	2.0	2.0

GROSS ALPHA PC/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	8.0	5.0	4.0
111173	3.0		
111373	7.0		
111573	5.0		
111773	4.0		
50 PERCENT	5.0	5.0	4.0

GROSS BETA PC/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC
	81 RICHMOND-SUNSET RAW INFLUENT
110873	44
111373	20
111773	16
50 PERCENT	20

FLOATABLES MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110773	2.6	0.3	0.1	0.1
110873	6.3	0.1	0.1	0.1
111073	8.0	0.2	0.1	0.1
111173	0.8	0.1	0.1	0.1
111273	7.2	0.1	0.6	0.1
111373	5.4	0.6	0.2	0.1
111473	4.2	0.1	0.1	0.1
111573	4.4	0.1	0.1	0.1
111673	7.2	0.2	0.3	0.1
111773	0.7	0.2	0.1	0.1
111873	28.4	1.0	5.0	0.7
50 PERCENT	5.4	0.2	0.1	0.1

FLOATABLES MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110773	0.2	0.1	0.1
110873	0.2	0.1	0.1
111073	0.6		
111173	0.2		
111273	0.2		
111373	0.2		
111473	0.1		
111573	0.1		
111673	0.1		
111773	0.3		
111873	0.3		
50 PERCENT	0.2	0.1	0.1

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110773	6.0	0.1	0.1	0.1
110873	4.0	0.1	0.1	0.1
111073	0.3	0.1	0.1	0.1
111173	5.0	0.2	0.1	0.1
111273	5.0	0.3	0.1	0.1
111373	6.5	1.0	0.1	0.1
111473	9.0	1.0	0.1	0.1
111573	11.0	0.4	0.1	0.1
111673	6.0	1.5	0.1	0.1
111773	11.0	1.5	0.1	0.1
111873	4.0	0.1	0.1	0.1
50 PERCENT	6.0	0.3	0.1	0.1

SETTLEABLE SOLIDS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110773	1.3	0.1	0.1
110873	0.2	0.1	0.1
111073	19.0		
111173	45.0		
111273	11.0		
111373	26.0		
111473	36.0		
111573	35.0		
111673	13.0		
111773	7.5		
111873	7.5		
50 PERCENT	13.0	0.1	0.1

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110773	222	16	7.8	3.6
110873	180	46	19.0	12.0
111073	163	52	6.8	1.2
111173	106	45	14.0	2.0
111273	159	44	10.0	8.0
111373	144	35	20.0	4.4
111473	166	27	4.6	3.2
111573	186	26	4.4	1.0
111673	112	40	9.4	1.6
111773	116	24	4.0	0.5
111873	125	16	2.8	0.2
50 PERCENT	159	35	7.8	2.0

TOTAL SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110773	54	4.2	7.8
110873	84	7.0	14.0
111073	256		
111173	289		
111273	260		
111373	328		
111473	359		
111573	452		
111673	198		
111773	110		
111873	156		
50 PERCENT	256	5.6	10.9

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110773	105	9.0	2.0	2.4
110873	64	18.0	1.4	6.3
110973		28.7	9.8	
111073	62	17.8	1.0	2.9
111173	65	16.6	1.0	3.2
111273	72	22.6	3.0	7.2
111373	67	32.0	3.5	3.7
111473	108	13.5	1.8	1.8
111573	108	13.4	2.1	2.8
111673	69	30.3	0.6	1.0
111773	70	13.6	0.3	2.1
111873	73	11.2	3.3	1.7
50 PERCENT	70	17.2	1.9	2.8

AVERAGE TURBIDITY FTU HOURLY GRAB SAMPLE

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110773	29	1.0	0.8
110873	35	2.0	6.9
110973	74	14.0	
111073	95	2.6	
111173	103	0.2	1.3
111273	80		
111373	90		
111473	124	3.0	
111573	130	1.2	2.2
111673	114	9.4	
111773	65	2.0	1.9
111873	70	1.0	0.5
50 PERCENT	85	2.0	1.6

COLOR PLATINUM-COBALT UNITS

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110773	70	0	0.0	0.0
110873	60	0	0.0	0.0
111073	105	55	20.0	10.0
111173	140	190	10.0	10.0
111273	90	70	10.0	10.0
111373	130	80	70.0	30.0
111473	115	35	35.0	20.0
111573	140	50	30.0	20.0
111673	130	30	20.0	20.0
111773	100	25	10.0	0.0
111873	110	15	20.0	0.0
50 PERCENT	110	35	20.0	10.0

COLOR PLATINUM-COBALT UNITS

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110773	32.0	0	0
110873	5.0	0	0
111073	60.0		
111173	40.0		
111273	30.0		
111373	228.0		
111473	30.0		
111573	40.0		
111673	60.0		
111773	15.0		
111873	15.0		
50 PERCENT	32.0	0	0

CONDUCTIVITY MICROMHOS AT 25 DEGREES C

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	1,200
111373	450
111773	720
50 PERCENT	720

TOTAL DISSOLVED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	895	595	559	481
111373	208	335	326	299
111773	560	377	275	306
50 PERCENT	560	377	326	305

TOTAL DISSOLVED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	600	542	543
111373	280		
111773	361		
50 PERCENT	361	542	543

TOTAL SOLIDS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	1,075	640	578	503
111373	452	270	346	303
111773	676	401	279	306
50 PERCENT	676	401	346	306

TOTAL SOLIDS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	684	549	557
111373	608		
111773	471		
50 PERCENT	608	549	557

TOTAL VOLATILE SOLIDS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	295	156	177	88
111373	253	115	134	112
111773	321	114	48	90
50 PERCENT	295	115	134	90

TOTAL VOLATILE SOLIDS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	199	154	121
111373	297		
111773	138		
50 PERCENT	199	154	121

VOLATILE SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	164	30	10.0	7.0
111373	142	34	19.6	4.0
111773	116	24	4.0	0.5
50 PERCENT	142	30	10.0	4.0

VOLATILE SUSPENDED SOLIDS MG/L

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	58	3.0	5.0
111373	224		
111773	88		
50 PERCENT	88	3.0	5.0

24 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	100	100	100	100
111173	100	100	75	100
111373	100	100	100	100
111573	100	100	100	100
111773	100	100	100	100
50 PERCENT	100	100	100	100

24 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	100	100	100
111173	100		
111373	100		
111573	100		
111773	100		
50 PERCENT	100	100	100

48 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	100	100	100	100
111173	100	100	75	100
111373	100	100	100	100
111573	100	100	100	100
111773	100	100	100	100
50 PERCENT	100	100	100	100

48 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	100	100	100
111173	100		
111373	100		
111573	100		
111773	100		
50 PERCENT	100	100	100

96 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	65	100	100	100
111173	100	100	75	100
111373	100	100	100	100
111573	100	100	100	100
111773	100	100	100	100
50 PERCENT	100	100	100	100

96 HOUR-MEDIAN TOLERANCE LIMIT (PERCENT)

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	100	100	100
111173	100		
111373	100		
111573	100		
111773	100		
50 PERCENT	100	100	100

24 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	50	100	100	100
111173	100	100	0	100
111373	90	100	100	100
111573	100	100	100	100
111773	100	100	100	100
50 PERCENT	100	100	100	100

24 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	100	100	100
111173	100		
111373	100		
111573	100		
111773	100		
50 PERCENT	100	100	100

48 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	50	100	100	100
111173	100	100	0	100
111373	90	100	100	100
111573	100	100	100	100
111773	100	100	100	100
50 PERCENT	100	100	100	100

48 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	100	100	100
111173	100		
111373	100		
111573	100		
111773	100		
50 PERCENT	100	100	100

96 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 82 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 83 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS 84 CARBON COLUMN EFFLUENT
110873	30	100	100	100
111173	100	100	0	100
111373	90	100	100	100
111573	100	100	100	100
111773	100	100	100	100
50 PERCENT	100	100	100	100

96 HOUR-PERCENT SURVIVAL UNDILUTED WASTE

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 85 SEDIMENTATION BASIN EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 86 THREE FOOT FILTER EFFLUENT	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS 87 SEVEN FOOT FILTER EFFLUENT
110873	100	100	100
111173	100		
111373	100		
111573	100		
111773	100		
50 PERCENT	100	100	100

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	1.5	0	0.0	0
111173	0.0	0	1.3	0
111373	0.6	0	0.0	0
111573	0.0	0	0.0	0
111773	0.0	0	0.0	0
50 PERCENT	0.0	0	0.0	0

96 HOUR-TOXICITY UNITS

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	0	0	0
111173	0		
111373	0		
111573	0		
111773	0		
50 PERCENT	0	0	0

LINDANE PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.06
111373	0.10
111773	0.03
50 PERCENT	0.06

HEPTACHLOR EPOXIDE PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.001
111373	0.001
111773	0.001
50 PERCENT	0.001

DDE PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.06
111373	0.02
111773	0.01
50 PERCENT	0.02

DDD PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.03
111373	0.07
111773	0.01
50 PERCENT	0.03

DDT PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.05
111373	0.09
111773	0.02
50 PERCENT	0.05

DIELDRIN PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.003
111373	0.001
111773	0.009
50 PERCENT	0.003

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM CONTROLLED FLOW PROCESS
	81 RICHMOND-SUNSET RAW INFLUENT	82 SEDIMENTATION BASIN EFFLUENT	83 THREE FOOT FILTER EFFLUENT	84 CARBON COLUMN EFFLUENT
110873	0.3	0.04	0.05	0.008
111373	0.6	0.16	0.01	0.007
111773	0.1	0.02	0.02	0.011
50 PERCENT	0.3	0.04	0.02	0.008

TOTAL CHLORINATED HYDROCARBONS PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS	RICHMOND-SUNSET ALUM UNCONTROLLED FLOW PROCESS
	85 SEDIMENTATION BASIN EFFLUENT	86 THREE FOOT FILTER EFFLUENT	87 SEVEN FOOT FILTER EFFLUENT
110873	0.09	0.03	0.02
111373	0.75		
111773	0.06		
50 PERCENT	0.09	0.03	0.02

ALDRIN PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.001
111373	0.065
111773	0.001
50 PERCENT	0.001

CHLORDANE PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.012
111373	0.009
111773	0.005
50 PERCENT	0.009

ENDRIN PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
111373	0.004
111773	0.001
50 PERCENT	0.002

HEPTACHLOR PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
111373	0.108
111773	0.001
50 PERCENT	0.054

METHOXYCHLOR PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.035
111373	0.036
111773	0.009
50 PERCENT	0.035

TOXAPHENE PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.001
111373	0.001
111773	0.001
50 PERCENT	0.001

(MALATHION) + PARATHION PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.2
111373	0.2
111773	0.2
50 PERCENT	0.2

CARBAMATES (SILVEX) PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.06
111373	0.04
111773	0.10
50 PERCENT	0.06

2-4-D PPB

24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.01
111373	0.08
111773	0.04
50 PERCENT	0.04

POLYCHLORINATED BIPHENYLS PPB

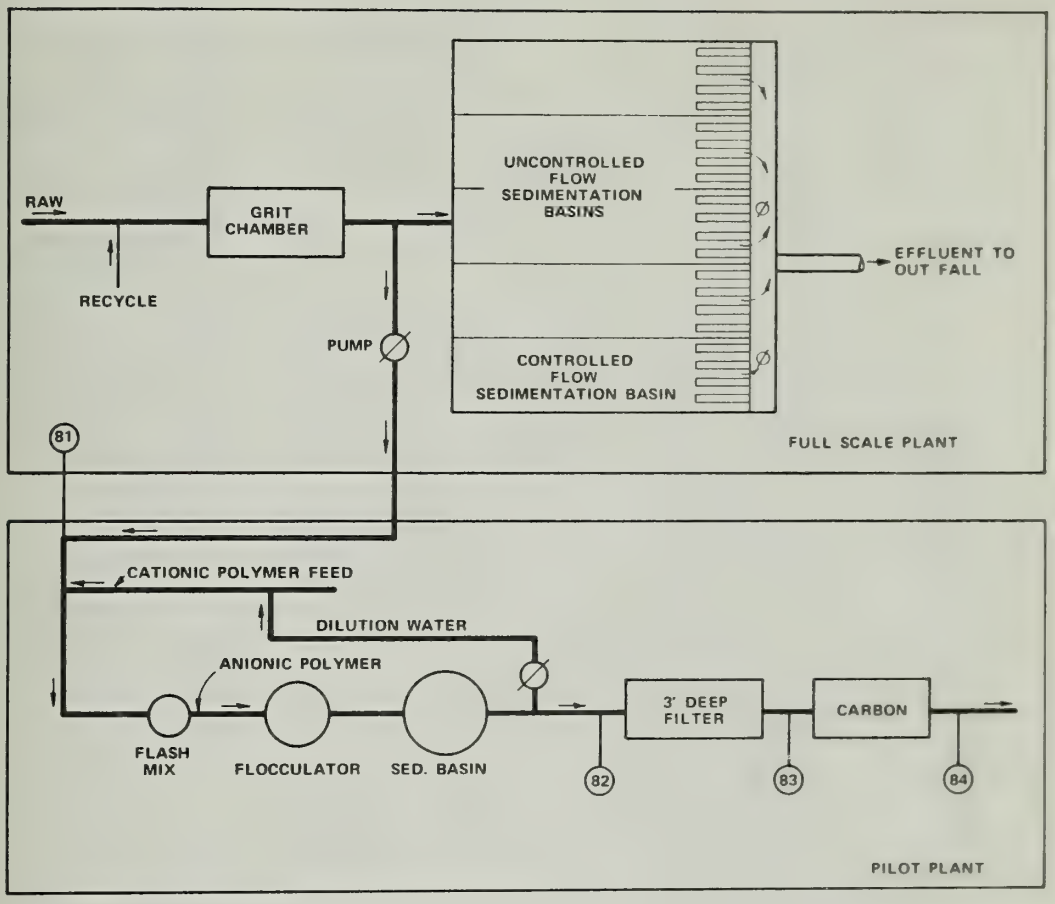
24 HOUR COMPOSITE

DATE	RICHMOND-SUNSET NON SPECIFIC 81 RICHMOND-SUNSET RAW INFLUENT
110873	0.05
111373	0.09
111773	0.04
50 PERCENT	0.05

APPENDIX L

RICHMOND-SUNSET TEST DATA

MARCH 1974 CATIONIC POLYMER TESTS



RICHMOND – SUNSET
PROCESS TRAINS AND DATA COLLECTION POINTS
CATIONIC POLYMER TEST

RICHMOND-SUNSET TEST DATA
MARCH 1974 CATIONIC POLYMER TEST DATA

CONSTITUENT / DATE / LOCATION	BOD, mg/l				COD, mg/l				GREASE, mg/l				SS, mg/l			
	81	82	83	84	81	82	83	84	81	82	83	84	81	82	83	84
Thur. 3/7 (Rain)	106	95	56	10	194	180	117	23	11.2	5.1	1.2	1.9	98	53	14	1.0
Fri. 8	182	80	73	27	607	191	137	45	50	10	4.5	3.4	323	27	3.2	.7
Thur. 14	195	98	74	22	727	186	147	30	46	5.5	6.4	3.6	159	45	12.5	4.0
Fri. 15	253	114	95	33.2	476	178	165	50	20	7.9	5.1	3.6	162	35	18	14
Sat. 16	267	110	98	33.7	598	160	126	43	59	14	5.7	4.5	130	37	17	14
Sun. 17	244	64	55	31	494	156	147	48	62	5.8	3.2	1.5	212	29	23	13
Mon. 18	239	63.1	61.4	28.1	528	169	152	54	63.7	6.6	5.1	3.3	246	24	6	11
AVERAGE	212.3	89.2	73.2	26.4	517.7	174.3	141.6	41.8	44.5	7.8	4.5	3.1	190	35.7	13.4	7.4

CONSTITUENT / DATE / LOCATION	Cr, mg/l				Ag, mg/l				Zn, mg/l				ORTH-PO_4, mg/l			
	81	82	83	84	81	82	83	84	81	82	83	84	81	82	83	84
Thur. 3/7 (Rain)	59	84	167	93	25	18	18	6	186	72	48	28	1.4	2.2	2	.098
Fri. 8	43	33	22	13	105	41	26	2	250	150	110	50	4.75	3.37	3.96	.60
Thur. 14	86	63	110	61	33	9	23	5	270	120	170	72	5.4	4.2	3.7	3
Fri 15	20	17	14	16	25	3	3	2	260	130	99	60	6	4.6	4.5	3.4
Sat. 16	46	28	30	19	14	5	1	1	280	88	92	43	7.7	5.8	5.1	4.8
Sun. 17	29	16	58	20	14	4	5	2	290	78	90	54	7.7	6.1	5.7	5.8
Mon. 18	43	28	34	21	21	4	2.2	2.2	330	90	91	42	7.4	5.8	5.9	7
AVERAGE	46.6	38.4	62.1	34.7	33.8	12	11.2	2.9	266.6	104	100	49.8	5.8	4.6	4.4	3.5

CONSTITUENT / DATE / LOCATION	FLOATABLES, mg/l				SS, ml/l				TURBIDITY (FTU)				TOTAL SOLIDS, mg/l			
	81	82	83	84	81	82	83	84	81	82	83	84	81	82	83	84
Thur. 3/7 (Rain)	.4	.5	.2	.1	4	1.	<.1	<.1	53	22	12	2.2	446	355	354	280
Fri. 8	.5	.7	.4	.2	80	<.1	<.1	<.1	110	19	8	1.6	653	309	300	213.9
Thur. 14	4.6	1.1	.7	.4	8.	<.1	<.1	<.1	27	17	9.4	4	618	754	431	292
Fri 15	9.65	.83	.75	.75	6.	<.1	<.1	<.1	30	12	6.1	1.8	359	329	298	271
Sat. 16	5.75	1.25	.4	.4	6.9	.2	<.1	<.1	35	7.1	4.7	3.8	574	314	337	290
Sun. 17	1.1	1.1	1.	.4	10	<.1	<.1	<.1	34	7.8	5.8	3.7	591	373	372	153.5
Mon. 18	1.	1.4	1.3	.4	15	<.1	<.1	<.1	49	6.3	3.1	2.7	708	391	382	319
AVERAGE	3.3	.98	.68	.37	18.5	.17	<.1	<.1	48.3	13	7.01	2.8	564.1	403.6	353.4	259.9

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